AUTHOR INDEX TO VOLUME 97

Abud RL. See Rabbani GH
Achord JL
  Are All Gallstones "Silent" Until Acute Cholecystitis Occurs? 97:1591-ss
  Is Low-Dose Pulse Methotrexate Hepatotoxic in Rheumatoid Arthritis? 97:230-ss
  NSAID Small Bowel Injury and Cytoprotection, 97:1344-ss
Adachi Y. See Mori Y
Adams DH, Burnett D, Stockley RA, Elias E. Patterns of Leukocyte Chemotaxis to Bile After Liver Transplantation, 97:433
Ahnfelt NO. See Allgayer H
Aiges H, Markowitz J, Rosa J, Daum F. Home Nocturnal Supplemental Nasogastric Feedings in Growth-Retarded Adolescents With Crohn's Disease, 97:905
Aitchison M. See Facer P
Akagi M. See Hirota M
Akriviadis EA, Steindel H, Ralls P, Redeker AG. Spontaneous Rupture of Nonparasitic Cyst of the Liver, 97:213
Alexander GJM
  See O'Grady JG
  See Senaldi G
Alexander-Williams J. See O'Connor HJ
Aliberti LC. *The Gastroenterology Assistant. A Laboratory Manual*, 97:1061-br
Alizadeh H, Weems WA, Castro GA. Long-Term Influence of Enteric Infection on Jejunal Propulsion in Guinea Pigs, 97:1461
Allan CH. See Weinman MD
Allgayer H, Ahnfelt NO, Kruis W, Klotz U, Frank-Holmberg K, Söderberg HNA, Paumgartner G. Colonic *N*-Acetylation of 5-Aminosalicylic Acid in Inflammatory Bowel Disease, 97:38
Alpers DH. See Lee EY
Alpini G, Lenzi R, Zhai W-R, Liu MH, Slott PA, Paronetto F, Tavoloni N. Isolation of a Nonparenchymal Liver Cell Fraction Enriched in Cells With Biliary Epithelial Phenotypes, 97:1248
Anderson BW, Kneip JM, Levine AS, Levitt MD. Influence of Infusate Viscosity on Intestinal Absorption in the Rat. An Explanation of Previous Discrepant Results, 97:938
Anderson K. See Sternini C
Ando Y. See Hirota M
Angelin B. See Reihner E
Angerson WJ. See Geraghty JG
Anglade M-C. See Mathieu D
Antillon MR. See Runyon BA
Anton PA, Targan SR, Shanahan F. Increased Neutrophil Receptors for and Response to the Proinflammatory Bacterial Peptide Formyl-Methionyl-Leucyl-Phenylalanine in Crohn's Disease, 97:20
Arroyo V. See Claria J
Asayama R. See Moriyama K
Asbert M. See Claria J
Ascher NL. See Bloomer JR
Atkins E. See Mantle M
Atkinson A. See Craig RM
Atterbury CE. *Modern Concepts of Acute and Chronic Hepatitis*, 97:807-br
Auerbach HE. See Sigal SH
August DA
  Causation and Prevention of Colorectal Cancer, 97:807-br
  Common Problems in Gastrointestinal Surgery, 97:1350-br
Auteri AG, Malet PF. Does Methyl *Tert*-Butyl Ether Result in an Empty Gallbladder? 97:1057-ss
Axon ATR. See Sobala GM
Azuma T. See Kovacs TOG

Babayan VK. See Jensen GL
Babin P. See Matuchansky C
Bailey RJ. See Euler AR
Baker JP. See Naylor CD
Baker R. See Loft DE
Bank S. See Greenberg RE
Bansky G, Meier PJ, Riederer E, Walser H, Ziegler WH, Schmid M. Effects of the Benzodiazepine Receptor Antagonist Flumazenil in Hepatic Encephalopathy in Humans, 97:744
Baraona E. See Caballeria J
Barbara L
  See Gullo L
  See Villanova N
Barkun AN. See Ponchon T
Barnard JA, III. Transforming Growth Factors and Intestinal Epithelia: More Questions Than Answers. Reply, 97:1587
Barrett KE
  Dharmsathaphorn K. Synergism Between Vasoactive Intestinal Polypeptide and Carbachol-Mediated Responses in a Human Mucus-Secreting Colonic Epithelial Cell Line, 97:1345-ss
  See Dharmsathaphorn K
Barth J. See Wozel G
Bartlett JG. See Kaljot KT
Barwick KW. *Guides to Clinical Aspiration Biopsy: Liver and Pancreas*, 97:238-br
Bates S, Sjödén P-O, Fellenius J, Nyrén O. Blocked and Nonblocked Acid Secretion and Reported Pain in Ulcer, Nonulcer Dyspepsia, and Normal Subjects, 97:376
Bauer FE, Zintel A, Kenny MJ, Calder D, Ghatei MA, Bloom SR. Inhibitory Effect of Galanin on Postprandial Gastrointestinal Motility and Gut Hormone Release in Humans, 97:260
Bazzoli F. See Villanova N
Be R. See von Ritter C
Beck IT
  See Dinda PK
  See Prokopiw I
Becker DJ, Castell DO. Acute Airway Obstruction in Achalasia. Possible Role of Defective Belch Reflex, 97:1323
Becker W, Fischbach HW. Technetium 99m Phagocyte Scanning in Inflammatory Bowel Disease, 97:249-c
Beger HG
  Büchler M. Management of Necrotizing Pancreatitis. Reply, 97:510-ss
  See Büchler M
Behar J
  Lee KY, Thompson WR, Biancani P. Gallbladder Contraction in Patients With Pigment and Cholesterol Stones, 97:1479
  See Biancani P
Behrns KE, Soper NJ, Sarr MG, Kelly KA, Hughes RW. Anatomic, Motor, and Clinical Assessment of Vertical Banded Gastroplasty, 97:91
Beinfeld MC. See Biancani P
Belaiche J. See Cattan D
Bell SJ. See Jensen GL
Bender CE. See Peine CJ
Bendtsen F. See Henriksen JH
Benjamin SB. See Deschner WK
Berger F. See Bosshard A
Berlin JA, Chalmers TC. Meta-Analysis of Branched-Chain Amino Acids in Hepatic Encephalopathy, 97:1043-e

KEY TO ABBREVIATIONS

ar–audiovisual review
br–book review
c–correspondence
cc–clinical conference
cr–case report
ctt–clinical trends and topics
e–editorial
hs–historical series
pa–progress article
ra–review article
ss–selected summary

Berlin RG. MK-329 Has No Direct Effect on the Pancreas, 97:553-c
Berman RS. See McCullough AJ
Bernstein LH. Old Insight Into a New Insight Into an Old Test, 97:552-c
Bezerra JA. See Grant JD
Bhalla D. See Hollander D
Bhaskar NK. See Daneshmend TK
Biancani P, Beinfeld MC, Hillemeier C, Behar J. Role of Peptide Histidine Isoleucine in Relaxation of Cat Lower Esophageal Sphincter, 97:1083
Biancani P. See Behar J
Bianco AR. See D'Agostino L
Bienenstock J
See MacQueen G
See Stead RH
Bijleveld CMA, Vonk RJ, Kuipers F, Havinga R, Boverhof R, Koopman BJ, Wolthers BG, Fernandes J. Benign Recurrent Intrahepatic Cholestasis: Altered Bile Acid Metabolism, 97:427
Bingham SA, Cummings JH. Effect of Exercise and Physical Fitness on Large Intestinal Function, 97:1389
Bishop AE. See Facer P
Bistrian BR. See Jensen GL
Björkhem I. See Reihner E
Blackburn GL
O'Keefe SJD. Nutrition in Liver Failure, 97:1049-e
See Jensen GL
Blaser MJ, Brown WR, Kobayashi K. Mycobacteria as the Cause of Crohn's Disease. Reply, 97:1354-c
Bloom SR. See Bauer FE
Bloomer JR, Weimer MK, Bossenmaier IC, Snover DC, Payne WD, Ascher NL. Liver Transplantation in a Patient With Protoporphyria, 97:188-cr
Blumberg JB. See Seitz HK
Board P. See Tait B
Boesche J. See Seitz HK
Bogusz M. See Seitz HK
Bond JH. See Mandel JS
Boniface B. See Brunetaud JM
Bonkovsky HL. See Chawla RK
Bontempo FA. See Porte RJ
Booker ML, Scott TE, La Morte WW. Effect of Dietary Cholesterol on Phosphatidylcholines and Phosphatidylethanolamines in Bile and Gallbladder Mucosa in the Prairie Dog, 97:1261
Bossenmaier IC. See Bloomer JR
Bosshard A, Chery-Croze S, Cuber JC, Dechelette MA, Berger F, Chayvialle JA. Immunocytochemical Study of Peptidergic Structures in Brunner's Glands, 97:1382
Bourel M. See Guyader D
Boutron A. See Cadiot G
Boverhof R. See Bijleveld CMA
Bowen PE. See Kikendall JW
Bradley M. See Mandel JS
Brady CE, III
Release of Gastrin by Secretin, 97:1354-c
Cooley BJ, Davis JC. Healing of Severe Perineal and Cutaneous Crohn's Disease With Hyperbaric Oxygen, 97:756-cr
Braguetto I. See Csendes A
Bramwell NH. See Stead RH
Brandon ML. See Euler AR
Brandspigel K. See Walsh MM
Brandtzaeg P
Halstensen TS, Kett K, Krajči P, Kvale D, Rognum TO, Scott H, Sollid LM. Immunobiology and Immunopathology of Human Gut Mucosa: Humoral Immunity and Intraepithelial Lymphocytes, 97:1562
See Halstensen TS
Brecha N. See Sternini C
Brewer TG. See Willis SM
Brissot P. See Guyader D
Brocchi E. See Corazza GR
Broder S. See Kassianides C
Brooks JJ. See Sigal SH
Broom MF. See Ferry DM
Brown WR. See Blaser MJ
Brunetaud JM, Maunoury V, Cochelard D, Boniface B, Cortot A, Paris JC. Endoscopic Laser Treatment for Rectosigmoid Villous Adenoma: Factors Affecting the Results, 97:272
Büchler M
Malfertheiner P, Schädlich H, Nevalainen TJ, Friess H, Beger HG. Role of Phospholipase A_2 in Human Acute Pancreatitis, 97:1521
See Beger HG
Bueno L
Corticotropin-Releasing Factor and Stress-Induced Gastrointestinal Alterations, 97:240-c
See Gué M
See Roman F
Buffet C. See Cadiot G
Buie T. *A Practical Approach to Pediatric Gastroenterology*, 97:237-br
Burger D. See Feil W
Burgess MB. See Kikendall JW
Burnett D. See Adams DH
Butler T. See Rabbani GH
Butt TJ. See Ferry DM

Caballeria J
Baraona E, Rodamilans M, Lieber CS. Cimetidine and Alcohol Absorption. Reply, 97:1066-c
Frezza M, Hernández-Nuñoz R, DiPadova C, Korsten MA, Baraona E, Lieber CS. Gastric Origin of the First-Pass Metabolism of Ethanol in Humans: Effect of Gastrectomy, 97:1205
See Panés J
Cadiot C, Ink O, Boutron A, Hanny P, Laurent-Puig P, Buffet C. Mitochondrial Aspartate Aminotransferase in Nonalcoholic Cirrhosis, 97:240-c
Calder D. See Bauer FE
Caletti G. See Corazza GR
Callebert J. See Cattan D
Calne RY. See Polson RJ
Camilleri M. See Talley NJ
Cantrill E. See Craig PI
Caprioglio L. See D'Aquino M
Capron J-P. See Sevenet F
Carroll MA. See Stein BE
Carsin M. See Guyader D
Carter DC. See Geraghty JG
Caruana BJ. See Wald A
Casadevall N. See Sevenet F
Castell DO. See Becker DJ
Castro GA. See Alizadeh H
Cattan D, Roucayrol A-M, Launay J-M, Callebert J, Charasz N, Nurit Y, Belaiche J, Kalifat R. Circulating Gastrin, Endocrine Cells, Histamine Content, and Histidine Decarboxylase Activity in Atrophic Gastritis, 97:586
Cattau EL, Jr. See Deschner WK
Chadwick VS. See Ferry DM
Chalmers TC. See Berlin JA
Chang EB
Raf-1 Protein: A Cytoplasmic Signal Transducing Agent for Proliferative Stimuli, 97:800-ss
Salmonella Bacterial Adherence and Penetration of Mucosal Cells: Inducing Role of the Epithelium, 97:1055-ss
Transforming Growth Factors and Intestinal Epithelia: More Questions Than Answers, 97:1587-ss
Charasz N. See Cattan D
Chawla RK, Wolf DC, Kutner MH, Bonkovsky HL. Choline May Be an Essential Nutrient in Malnourished Patients With Cirrhosis, 97:1514
Chawla YK. See Dilawari JB
Chayvialle JA. See Bosshard A
Chen YM. See Ott DJ
Chery-Croze S. See Bosshard A
Chiba T. Release of Gastrin by Secretin, Reply, 97:1354-c
Chisaka O. See Katayama K
Chomette G. See Roman F
Christiansen J, Ottenjann R, Von Arx F. Placebo-Controlled Trial With the Somatostatin Analogue SMS 201-995 in Peptic Ulcer Bleeding, 97:568
Chumdermpadetsuk S. See Poovorawan Y
Church TR. See Mandel JS
Claria J, Jimęnez W, Arroyo V, Guarner F, Lopez C, La Villa G, Asbert M, Rivera F, Rodés J. Blockade of the Hydroosmotic Effect of Vasopressin Normalizes Water Excretion in Cirrhotic Rats, 97:1294
Classen M. See Schepp W
Cobos MA. See Fernandez-Seara J
Cochelard D. See Brunetaud JM
Cockerill EM. See Rex DK

Coggan M. See Tait B
Cogne M. See Matuchansky C
Cohen S. The Manpower Position: Is the Expense Too Immense To Make Sense? Reply, 97:245-c
Cohen Z. See Wakefield A
Cole GA. See Facer P
Colletti RB, Trainer TD. Collagenous Gastritis, 97:1552
Collins JC, Scheinberg IH, Giblin DR, Sternlieb I. Hepatic Peroxisomal Abnormalities in Abetalipoproteinemia, 97:766-cr
Colony PC, Kois JM, Peiffer LP. Structural and Enzymatic Changes During Colonic Maturation in the Fetal and Suckling Rat, 97:338
Cominelli F, Nast CC, Dinarello CA, Gentilini P, Zipser RD. Regulation of Eicosanoid Production in Rabbit Colon by Interleukin-1, 97:1400
Connolley P. See Wakefield A
Contegiacomo A. See D'Agostino L
Cooley BJ. See Brady CE, III.
Corasanti JG. *Calcium-Dependent Processes in the Liver*, 97:516-br
Corazza GR, Caletti G, Brocchi E, Gasbarrini G. Kerckring Duodenal Folds in Celiac Disease, 97:1064-c
Cortes C. See Csendes A
Cortot A. See Brunetaud JM
Costa M. See Galligan JJ
Costa PL. See Rosellini SR
Cox EJ. See Knockaert DC
Craig M. See Wakefield A
Craig PI, Williams SJ, Cantrill E, Farrell GC. Rat But Not Human Interferons Suppress Hepatic Oxidative Drug Metabolism in Rats, 97:999
Craig RM, Atkinson A. The D-Xylose Test in Pediatrics: Is It Useful? Reply, 97:246-c
Crissinger KD, Granger DN. Mucosal Injury Induced by Ischemia and Reperfusion in the Piglet Intestine: Influences of Age and Feeding, 97:920
Crowe PT. See Loft DE
Crum PM, Jr. See Winter HS
Csendes A, Braguetto I, Henriquez A, Cortes C. Surgery or Pneumatic Dilatation for Achalasia: A Head-to-Head Comparison. Now Are All the Questions Answered? Reply, 97:1340-ss
Cuber JC. See Bosshard A
Cullen M. *Carcinogen Risk Assessment: New Directions in the Qualitative and Quantitative Aspects*, 97:238-br
Czaja AJ. See Wang KK

Dadufalza VD
See Katz KD
See Krugliak P
D'Agostino L, Daniele B, Pignata S, Gentile R, Tagliaferri P, Contegiacomo A, Silvestro G, Polistina C, Bianco AR, Mazzacca G. Ornithine Decarboxylase and Diamine Oxidase in Human Colon Carcinoma Cell Line CaCo-2 in Culture, 97:888
Daneshmend TK, Prichard PJ, Bhaskar NK, Millns PJ, Hawkey CJ. Use of Microbleeding and an Ultrathin Endoscope to Assess Gastric Mucosal Protection by Famotidine, 97:944
Daniele B. See D'Agostino L
Daoust R. Stimulation of G_2-Arrested Rat Liver and Pancreas Cells by Fasting, 97:219
D'Aquino M, Michieletto L, Caprioglio L, Wolf P. Fine Needle Liver Biopsy of Hepatocellular Carcinoma: Is Sampling Simple? 97:247-c
Daum F. See Aiges H
Davis JC. See Brady CE, III
Davison JS. See Mantle M
Dawson AM. See Lucey MR
Dechelette MA. See Bosshard A
De Graef J. See Simoens C
Delahunty T. See Katz KD
Delamarre J. See Sevenet F
DelValle J, Sugano K, Yamada T. Glycine-Extended Processing Intermediates of Gastrin and Cholecystokinin in Human Plasma, 97:1159
Demers L. See Zhang L
DeNigris SJ. Extrapancreatic Lipases, 97:551-c
Dent J. See Fone DR
Depoortere I. See Gue M
Deramond H. See Sevenet F
Deschner WK, Maher KA, Cattau EL, Jr., Benjamin SB. Manometric Responses to Balloon Distention in Patients With Nonobstructive Dysphagia, 97:1181
DeSchryver-Kecskemeti K. See Lee EY
Detsky AS. See Naylor CD
Deugnier Y. See Guyader D
Dharmsathaphorn K
Psychoneuroimmunology: Interactions of the Central Nervous System and the Intestinal Immune System, 97:228-ss
Regulation of Tight Junction Permeability in the Intestinal Epithelium, 97:802-ss
Barrett KE. Protein Kinase C Subspecies, 97:1594-ss
See Barrett KE
Dhumeaux D. See Mathieu D
Di Bisceglie AM. See Martin P
Diehl AK, Haffner SM, Knapp JA, Hazuda HP, Stern MP. Dietary Intake and the Prevalence of Gallbladder Disease in Mexican Americans, 97:1527
Dilawari JB, Raju GS, Chawla YK. Development of Large Spleno-Adreno-Renal Shunt After Endoscopic Sclerotherapy, 97:421
Dillard VL. See Sutphen JL
Dinarello CA. See Cominelli F
Dinda PK
Beck IT. Ethanol-Induced Intestinal Mucosal Injury. Reply, 97:241-c
See Prokopiw I
DiPadova C. See Caballeria J
Dixon MF
See Sobala GM
See Stead RH
Domschke S. See Heptner G
Domschke W. See Heptner G
Donaldsen RM, Jr. Animal Research and the Practicing Gastroenterologist, 97:1585-e
Donaldson PT. See Senaldi G
Donnelly TC. See Sun WM
Donohue-Rolfe A. See Mobassaleh M
Donovan IA. See O'Connor HJ
Doo E. See Kassianides C
Drumm J. See O'Connor HJ

Ebert EC. Proliferative Responses of Human Intraepithelial Lymphocytes to Various T-Cell Stimuli, 97:1372
Eckardt G. See Tait B
Economidou I. See Manousos O
Ederer F. See Mandel JS
Edwards CQ, Griffen LM, Goldgar DE, Skolnick MH, Kushner JP. HLA-Linked Hemochromatosis Alleles in Sporadic Porphyria Cutanea Tarda, 97:972
Ehret W. See Schmidt T
Einarsson K. See Reihner E
Elashoff J. See Fried M
Elias E. See Adams DH
Elson CO. Specialized Receptors for Antigens on Gut Epithelial T Cells, 97:1341-ss
Emery P. See Tait B
Enck P. See Frieling T
Erckenbrecht JF. See Karaus M
Erickson RA. Ethanol-Induced Intestinal Mucosal Injury, 97:241-c
Etienne M. Dietary Fat Intake, 72-Hour Excretion, and Sudan Stain for Fecal Fat, 97:550-c
Euler AR, Bailey RJ, Zinny MA, Brandon ML, Rousseau B, Ferguson JP, Wood DR, Le VH. Arbaprostil [15(R)-15-Methyl Prostaglandin E_2] in a Single Nighttime Dose of Either 50 or 100 μg in Acute Duodenal Ulcer, 97:98
Evans DJ. Jr. Serum Immunoglobulin G Antibody Levels for *Campylobacter pylori* Diagnosis. Reply, 97:1069-c
Ewerth S. See Reihner E

Facer P, Bishop AE, Cole GA, Aitchison M, Kendall CH, van Aswegen G, Penketh RJA, Rodek CH, McKeever P, Polak JM. Developmental Profile of Chromogranin, Hormonal Peptides, and 5-Hydroxytryptamine in Gastrointestinal Endocrine Cells, 97:48
Fairclough PD. See Lucey MR
Fais S, Pallone F. Ability of Human Colonic Epithelium to Express the 4F2 Antigen, the Common Acute Lymphoblastic Leukemia Antigen, and the Transferrin Receptor. Studies in

Inflammatory Bowel Disease and After In Vitro Exposure to Different Stimuli, 97:1435
Farmer RG. See Petras RE
Farrant JM. See Senaldi G
Farrell GC. See Craig PI
Farrés J. See Panés J
Fazzi GE. See Walvoort HS
Feil W
Klimesch S, Karner P, Wenzl E, Starlinger M, Lacy ER, Schiessel R. Importance of an Alkaline Microenvironment for Rapid Restitution of the Rabbit Duodenal Mucosa In Vitro, 97:112
Lacy ER, Wong Y-M M, Burger D, Wenzl E, Starlinger M, Schiessel R. Rapid Epithelial Restitution of Human and Rabbit Colonic Mucosa, 97:685
Feldman E. See Roth M-P
Feldman M. See Goldschmiedt M
Fellenius J. See Bates S
Fennerty MB, Sampliner RE, Way D, Riddell R, Steinbronn K, Garewal HS. Discordance Between Flow Cytometric Abnormalities and Dysplasia in Barrett's Esophagus, 97:815
Ferguson A. See Logan RFA
Ferguson JP. See Euler AR
Fernandes J. See Bijleveld CMA
Fernandez JL. See Viola L
Fernandez-Seara J, Prieto J, Quiroga J, Zozaya JM, Cobos MA, Rodriguez-Eire JL, Garcia-Plaza A, Leal J. Systemic and Regional Hemodynamics in Patients With Liver Cirrhosis and Ascites With and Without Functional Renal Failure, 97:1304
Ferry DM, Butt TJ, Broom MF, Hunter J, Chadwick VS. Bacterial Chemotactic Oligopeptides and the Intestinal Mucosal Barrier, 97:61
Ferschke I. See Seitz HK
Festi D. See Villanova N
Finck E. See Korula J
Fiocchi C. See Kusugami K
Firmansyah A, Penn D, Lebenthal E. Isolated Colonocyte Metabolism of Glucose, Glutamine, n-Butyrate, and β-Hydroxybutyrate in Malnutrition, 97:622
Fischbach HW. See Becker W
Fischer H. See Leuschner U
Flemström G, Jedstedt G. Stimulation of Duodenal Mucosal Bicarbonate Secretion in the Rat by Brain Peptides, 97:412
Fletcher LM, Roberts FD, Irving MG, Powell LW, Halliday JW. Effects of Iron Loading on Free Radical Scavenging Enzymes and Lipid Peroxidation in Rat Liver, 97:1011
Fondacaro JD. See Rachmilewitz D
Fone DR, Horowitz M, Dent J, Read NW, Heddle R. Pyloric Motor Responses to Intraduodenal Dextrose Involves Muscarinic Mechanisms, 97:83
Ford H. See Kassianides C
Foster JH
Biliary Lithotripsy, 97:237-br
Cancer of the Bile Ducts and Pancreas, 97:1060-br
Frabboni R. See Villanova N
Frank-Holmberg K. See Allgayer H
Frantz G. See Sternini C
Frezza M. See Caballeria J
Fried M, Jansen JB, Harpole T, Taylor IL, Lamers CB, Reedy T, Elashoff J, Meyer JH. Pancreatobiliary Responses to an Intragastric Amino Acid Meal: Comparison to Albumin, Dextrose, and a Maximal Cholecystokinin Stimulus, 97:1544
Frieling T, Enck P, Wienbeck M. Cerebral Responses Evoked by Electrical Stimulation of the Esophagus in Normal Subjects, 97:475
Friera AM. See Ho SB
Friess H. See Büchler M
Frucht H. See Maton PN
Fujita M. See Kasugai H
Fukuma K. See Mori Y
Funakoshi A. See Tateishi K
Funakoshi S. See Tateishi K
Furness JB. See Galligan JJ
Furukawa N, Okada H. Effects of Stimulation of the Hypothalamic Area on Pancreatic Exocrine Secretion in Dogs, 97:1534
Fusamoto H. See Katayama K

Galligan JJ, Furness JB, Costa M. Migration of the Myoelectric Complex After Interruption of the Myenteric Plexus: Intestinal Transection and Regeneration of Enteric Nerves in the Guinea Pig, 97:1135
Gandon Y. See Guyader D
Garcia-Plaza A. See Fernandez-Seara J
Gardiner TA. See Maxwell AP
Gardner JD. See Maton PN
Garewal HS. See Fennerty MB
Garner V. See Loft DE
Gasbarrini G. See Corazza GR
Gatzen M. See Leuschner U
Gaudio M. See Rosellini SR
Geboes K. See Rutgeerts P
Gelfand DW. See Ott DJ
Gentile R. See D'Agostino L
Gentilini P. See Cominelli F
Geraghty JG, Angerson WJ, Carter DC. Autoradiographic Study of the Regional Distribution of Gastric Blood Flow in Portal Hypertensive Rats, 97:1108
Ghatei MA. See Bauer FE
Giampaolo C. See Triadafilopoulos G
Giblin DR. See Collins JC
Gilbertsen V. See Mandel JS
Giordano F. See Sangalli G
Giorgio I. See Pezzolla F
Glaser B. See Heyd J
Glickman MG. *Modern Imaging of the Liver: Applications of Computerized Tomography, Ultrasound, Nuclear Medicine, and Magnet Resonance Imaging*, 97:1347-br
Glickman RM. Reorganizing the AGA: Why, How, and When, 97:1361
Go VLW. See Kalser SC
Godwin P. See Sobala GM
Gold JWM. See Kaljot KT
Goldgar DE. See Edwards CQ
Goldschmiedt M, Peterson WL, Vuitch F, Feldman M. Postbulbar Duodenal Ulcer in a Patient With Pentagastrin-Fast Achlorhydria, 97:771-cr
Gordon D. See Loft DE
Goré J, Hoinard C. Na^+/H^+ Exchange in Isolated Hamster Enterocytes. Its Major Role in Intracellular pH Regulation, 97:882
Goresky CA. See Jabbari M
Gotlieb A. See Wakefield A
Graham DY
Markesich DC, Yoshimura HH. Mycobacteria as the Cause of Crohn's Disease, 97:1354
See McCullough AJ
Granger DN
See Crissinger KD
See von Ritter C
Grant JD, Bezerra JA, Thompson SH, Lemen RJ, Koldovsky O, Udall JN, Jr. Assessment of Lactose Absorption by Measurement of Urinary Galactose, 97:895
Greenberg HB. See Kaljot KT
Greenberg RE, Mir R, Bank S, Siegal FP. Resolution of Intestinal Cryptosporidiosis After Treatment of AIDS With AZT, 97:1327
Grider JR. Identification of Neurotransmitters Regulating Intestinal Peristaltic Reflex in Humans, 97:1414
Griffen LM. See Edwards CQ
Grisham MG. See von Ritter C
Griswold DE. See Rachmilewitz D
Groen JN, Lock MTWT, Lameris JS, van Blankenstein M, Terpstra OT. Removal of Common Bile Duct Stones by the Combination of Percutaneous Balloon Dilatation and Extracorporeal Shock-Wave Lithotripsy, 97:202-cr
Gross SK. See Mobassaleh M
Grossman ET. *Difficult Decisions in Digestive Diseases*, 97:236-br
Grussendorf M. See Karaus M
Gryboski JD
Balliere's Clinical Gastroenterology. International Practice and Research. Adverse Drug Reactions in the Differential Diagnosis of GI and Liver Diseases, 97:1348-br
Clinical Nutrition in Paediatric Disorders, 97:516-br
Frontiers of Gastrointestinal Research. Volumes 15 and 16, Newer Tests and

Procedures in Pediatric Gastroenterology, 97:1350-br
Guarner F. See Claria J
Gué M, Peeters T, Depoortere I, Vantrappen G, Buéno L. Stress-Induced Changes in Gastric Emptying, Postprandial Motility, and Plasma Gut Hormone Levels in Dogs, 97:1101
Güldütuna S. See Leuschner U
Gullo L, Pezzilli R, Barbara L. Effect of Somatostatin on Plasma Amino Acid Uptake by Human Pancreas, 97:732
Guth PH
See Thiefin G
See Yonei Y
See Zhang L
Guyader D, Gandon Y, Deugnier Y, Jouanolle H, Loreal O, Simon M, Bourel M, Carsin M, Brissot P. Evaluation of Computed Tomography in the Assessment of Liver Iron Overload. A Study of 46 Cases of Idiopathic Hemochromatosis, 97:737

Ha T. See Jacob P
Hadengue A. See Sevenet F
Haffner SM. See Diehl AK
Hagen SJ. See Weinman MD
Halliday JW. See Fletcher LM
Halstensen TS
Mollnes TE, Brandtzaeg P. Persistent Complement Activation in Submucosal Blood Vessels of Active Inflammatory Bowel Disease; Immunohistochemical Evidence, 97:10
See Brandtzaeg P
Halter F. See Inauen W
Hameeteman W. Dysplasia and Adenocarcinoma in Barrett's Esophagus, 97:1064-c
Hamilton BH, Orlando RC. In Vivo Alkaline Secretion by Mammalian Esophagus, 97:640
Hanauer SB. See Lashner BA
Hanny P. See Cadiot G
Harpole T. See Fried M
Harrison M. See Lavine JE
Hashiba S. See Tazuma S
Haubrich WS. *Getting Into Practice*, 97:1061-br
Havinga R. See Bijleveld CMA
Hawkey CJ. See Daneshmend TK
Hayashi N. See Katayama K
Hayllar KM. See O'Grady JG
Hazuda HP. See Diehl AK
Heddle R. See Fone DR
Hegnhøj J. See Mortensen PB
Heidenreich PA. See Lashner BA
Heintges T. See Niederau C
Hellstern A. See Leuschner U
Henagan JM, Schmidt KL, Miller TA. Prostaglandin Prevents Aspirin Injury in the Canine Stomach Under In Vivo But Not In Vitro Conditions, 97:649
Henriksen JH, Bendtsen F, Sørensen TIA, Stadeager C, Ring-Larsen H. Reduced Central Blood Volume in Cirrhosis, 97:1506
Henriquez A. See Csendes A
Heptner G, Domschke S, Domschke W. Exocrine Pancreatic Function After Gastrectomy. Specificity of Indirect Tests, 97:147
Herbet D. See Heyd J
Herdmann J. See Inauen W
Hernández-Muñoz R. See Caballeria J
Hershfield NB. Diagnosis of Sphincter of Oddi Dysfunction, 97:241-c
Heyd J, Livni N, Herbet D, Mor-Yosef S, Glaser B. Gastrin-Producing Ovarian Cystadenocarcinoma: Sensitivity to Secretin and SMS 201-995, 97:464-cr
Heyman MB. See Lavine JE
Hightower J. See Schubert ML
Hillemeier C. See Biancani P
Hills BA, Kirwood CA. Surfactant Approach to the Gastric Mucosal Barrier: Protection of Rats by Banana Even When Acidified, 97:294
Hinds JP. See Wald A
Hirayama K. See Hirota M
Hirose M. See Yasuura S
Hirota M, Inoue M, Ando Y, Hirayama K, Morino Y, Sakamoto K, Mori K, Akagi M. Inhibition of Stress-Induced Gastric Injury in the Rat by Glutathione, 97:853
Ho SB, Itzkowitz SH, Friera AM, Jiang S-H, Kim YS. Cell Lineage Markers in Premalignant and Malignant Colonic Mucosa, 97:392
Hoepker W-W. See Seitz HK
Hoffmann R. See Holl J
Hoinard C. See Goré J
Holl J, Sackmann M, Hoffmann R, Schüssler P, Sauerbruch T, Jüngst D, Paumgartner G. Shock-Wave Therapy of Gastric Outlet Syndrome Caused by a Gallstone, 97:472
Hollander D
Ling KY, Bhalla D. Mechanisms of Carrageenan Injury of Cell Monolayers. Reply, 97:242-c
See Katz KD
See Krugliak P
Hollwarth M. See von Ritter C
Holton J. See Vaira D
Holtug K. See Mortensen PB
Hoofnagle JH
See Kassianides C
See Martin P
Horiuchi I. See Tazuma S
Horowitz M. See Fone DR
Hoso M. See Terada T
Huang G. See Khouri MR
Hübner K. See Leuschner U
Hughes RW. See Behrns KE
Hughes WS. The Manpower Position: Is the Expense Too Immense to Make Sense? 97:245-c
Humphries TJ. See McCullough AJ
Hunt DR, Scott AJ. Changes in Bile Duct Diameter After Cholecystectomy: A 5-Year Prospective Study, 97:1495
Hunter J. See Ferry DM

Iber F. *Nutrition and the Origins of Disease*, 97:1059-br
Imaoka S. See Kasugai H
Inauen W
Rohner C, Koelz HR, Herdmann J, Schürer-Maly C-C, Varga L, Halter F. Enprostil Reduces the Increase of Gastric Corpus Mucosal Mass Induced by the Hydrogen-Potassium-Stimulated Adenosine Triphosphatase Inhibitor, 97:846
See von Ritter C
Ink O. See Cadiot G
Inoue M. See Hirota M
Ireland A, Jewell DP. Mechanisms of Carrageenan Injury of Cell Monolayers, 97:242-c
Irving MG. See Fletcher LM
Ishibashi H. See Moriyama K
Ishiguro S. See Kasugai H
Ishii M, Vroman B, LaRusso NF. Isolation and Morphologic Characterization of Bile Duct Epithelial Cells From Normal Rat Liver, 97:1236
Itzkowitz SH. See Ho SB

Jabbari M, Wild G, Goresky CA. Kerckring Duodenal Folds in Celiac Disease. Reply, 97:1064-c
Jacob P, Kahrilas PJ, Logemann JA, Shah V, Ha T. Upper Esophageal Sphincter Opening and Modulation During Swallowing, 97:1469
Jansen JB. See Fried M
Jedstedt G. See Flemström G
Jeejeebhoy KN. See Wakefield A
Jensen GL, Mascioli EA, Meyer LP, Lopes SM, Bell SJ, Babayan VK, Blackburn GL, Bistrian BR. Dietary Modification of Chyle Composition in Chylothorax, 97:761-cr
Jensen R. See Maton PN
Jewell DP. See Ireland A
Jiang S-H. See Ho SB
Jiménez W. See Claria J
Jimi A. See Tateishi K
Jones AL, Schmucker DL. Isolation of Intrahepatic Bile Duct Epithelial Cells: Clues for Function, 97:1337-e
Jørgensen T. Are All Gallstones "Silent" Until Acute Cholecystitis Occurs? Reply, 97:1591-ss
Jouanolle H. See Guyader D
Judge D. See Michaletz PA
Jüngst D. See Holl J
Junien JL. See Roman F

Kaess H. See Schmidt T
Kahrilas PJ. See Jacob P
Kaiser DG. See Zhang L
Kajiyama G. See Tazuma S
Kalifat R. See Cattan D

Kaljot KT, Ling JP, Gold JWM, Laughon BE, Barlett JG, Kotler DP, Oshiro LS, Greenberg HB. Prevalence of Acute Enteric Viral Pathogens in Acquired Immunodeficiency Syndrome Patients With Diarrhea, 97:1031
Kalser SC, Go VLW. Growth of Digestive Diseases Research Funds and Investigators Supported by the National Institutes of Health, 97:482
Kamada T. See Katayama K
Kaminski DL. Arachidonic Acid Metabolites in Hepatobiliary Physiology and Disease, 97:781
Kane SV. See Lashner BA
Kannagi R. See Mori Y
Kanof ME, Strober W. Lymphokine-Activated Killer-Cell Cytotoxicity in the Intestinal Immune System, 97:222-e
Kant JA. See Sigal SH
Karaus M, Wienbeck M, Grussendorf M, Erckenbrecht JF, Strohmeyer G. Intestinal Motor Activity in Experimental Hyperthyroidism in Conscious Dogs, 97:911
Karnel F. See Walter RM
Karner P. See Feil W
Kasahara A. See Katayama K
Kashiwagi S. See Moriyama K
Kassianides C
Hoofnagle JH, Miller RH, Doo E, Ford H, Broder S, Mitsuya H. Inhibition of Duck Hepatitis B Virus Replication by 2′,3′-Dideoxycytidine. A Potent Inhibitor of Reverse Transcriptase, 97:1275
See Martin P
Kasugai H, Kojima J, Tatsuta M, Okuda S, Sasaki Y, Imaoka S, Fujita M, Ishiguro S. Treatment of Hepatocellular Carcinoma by Transcatheter Arterial Embolization Combined With Intraarterial Infusion of a Mixture of Cisplatin and Ethiodized Oil, 97:965
Katayama K, Hayashi N, Sasaki Y, Kasahara A, Ueda K, Fusamoto H, Sato N, Chisaka O, Matsubara K, Kamada T. Detection of Hepatitis B Virus X Gene Protein and Antibody in Type B Chronic Liver Disease, 97:990
Kath D. See Schepp W
Katt E. See Kovacs TOG
Katz KD
Hollander D, Vadheim CM, McElree C, Delahunty T, Dadufalza VD, Krugliak P, Rotter JI. Intestinal Permeability in Patients With Crohn's Disease and Their Healthy Relatives, 97:927
See Krugliak P
Kauffman GL, Jr. See Zhang L
Kaunitz JD. Dietary Fat Intake, 72-Hour Excretion, and Sudan Stain for Fecal Fat, 97:550-c
Keane FBV. See Redmond HP
Keiditsch E. See Schmidt T
Kelly KA. See Behrns KE
Kendall CH. See Facer P
Kenny MJ. See Bauer FE
Kett K. See Brandtzaeg P
Keusch GT. See Mobassaleh M
Kew MC. Hepatocellular Carcinoma With and Without Cirrhosis. A Comparison in Southern African Blacks, 97:136
Khouri MK
Huang G, Shiau YF. Dietary Fat Intake, 72-Hour Excretion, and Sudan Stain for Fecal Fat. Reply, 97:550-c
Huang G, Shiau YF. Extrapancreatic Lipases. Reply, 97:551-c
Huang G, Shiau YF. Fecal Lipid Excretion in Pancreatic Insufficiency. Reply, 97:248-c
Huang G, Shiau YF. Old Insight Into a New Insight Into an Old Test. Reply, 97:552-c
Kikendall JW, Bowen PE, Burgess MB, Magnetti C, Woodward J, Langenberg P. Cigarettes and Alcohol as Independent Risk Factors for Colonic Adenomas, 97:660
Kim YS. See Ho SB
King NW. See Winter HS
Kirwood CA. See Hills BA
Klimesch S. See Feil W
Klotz U. See Allgayer H
Knapp JA. See Diehl AK
Kneip JM. See Anderson BW
Knockaert DC, Robaeys GK, Cox EJ, Marchal GJ. Suppurative Pylethrombosis: A Changing Clinical Picture, 97:1028
Knot EAR. See Porte RJ
Knuchel J, Krähenbühl S, Zimmermann A, Reichen J. Effect of Secretin on Bile Formation in Rats With Cirrhosis of the Liver; Structure-Function Relationship, 97:950
Knuff TE. See McCullough AJ
Kobayashi K. See Blaser MJ
Kochhar R. See Zargar SA
Koelz HR. See Inauen W
Koff RS
More Bang for the Buck in Bangkok: Using Hepatitis B Virus Vaccine Without Hepatitis B Immune Globulin, 97:1588-ss
Non-A, Non-B Hepatitis: Finally the Big Breakthrough, 97:1052-ss
Unraveling the Mystery of HDV and Its Mode of Replication: One Step Forward, 97:507-ss
Kois JM. See Colony PC
Kojima J. See Kasugai H
Kojiro M. See Okuda K
Koldovsky O. See Grant JD
Kondo Y. See Okuda K
Kono N. See Terada T
Konturek SJ. Prostaglandins in the Mediation of Secretin-Induced Inhibition of Gastric Secretion and Stimulation of Pancreatic Secretion, 97:554-c
Koopman BJ. See Bijleveld CMA
Kopecky KA. See Rex DK
Korsten MA. See Caballeria J
Korula J, Finck E. Embolotherapy for Severe Iatrogenic Hepatic Injury. Reply, 97:1065-c
Kotler DP. See Kaljot KT
Kovacs TOG, Walsh JH, Maxwell V, Wong HC, Azuma T, Katt E. Gastrin Is a Major Mediator of the Gastric Phase of Acid Secretion in Dogs: Proof by Monoclonal Antibody Neutralization, 97:1406
Krähenbühl S. See Knuchel J
Krajci P. See Brandtzaeg P
Kramlinger KG. See Talley NJ
Krause JE. See Sternini C
Krugliak P
Hollander D, Ma TY, Tran D, Dadufalza VD, Katz KD, Le K. Mechanisms of Polyethylene Glycol 400 Permeability of Perfused Rat Intestine, 97:1164
See Katz KD
Kruis W. See Allgayer H
Kuipers F. See Bijleveld CMA
Kuribayashi K. See Mori Y
Kurtz RC. Calcium and Colon Cancer, 97:804-ss
Kurtz W. See Leuschner U
Kushner JP. See Edwards CQ
Kusugami K, Youngman KR, West GA, Fiocchi C. Intestinal Immune Reactivity to Interleukin 2 Differs Among Crohn's Disease, Ulcerative Colitis, and Controls, 97:1
Kutner MH. See Chawla RK
Kvale D. See Brandtzaeg P

Lacy ER. See Feil W
Lambert R. See Ponchon T
Lameris JS. See Groen JN
Lamers CB. See Fried M
LaMont JT
See Smith BF
See Triadafilopoulos G
La Morte WW. See Booker ML
Langenberg P. See Kikendall JW
Lankisch PG. Effect of FOY-305 (Camostate) on Severe Acute Pancreatitis in Two Experimental Animal Models. Reply, 97:1600-c
Lanza FL. See McCullough AJ
Lappas JC. See Rex DK
LaRusso NF. See Ishii M
Lashner BA
Heindenreich PA, Su GL, Kane SV, Hanauer SB. Effect of Folate Supplementation on the Incidence of Dysplasia and Cancer in Chronic Ulcerative Colitis. A Case-Control Study, 97:255
Kane SV, Hanauer SB. Lack of Association Between Oral Contraceptive Use and Crohn's Disease: A Community-Based Matched Case-Control Study, 97:1442
Laughon BE. See Kaljot KT
Launay J-M. See Cattan D
Laurent-Puig P. See Cadiot G
La Villa G. See Claria J

Lavine JE, Harrison M, Heyman MB. Gastrointestinal Duplications Causing Relapsing Pancreatitis in Children, 97:1556
Le K. See Krugliak P
Le VH. See Euler AR
Leahy AL. See Redmond HP
Leal J. See Fernandez-Seara J
Lebenthal E. See Firmansyah A
Lee EY, Seetharam B, Alpers DH, DeSchryver-Kecskemeti K. Immunohistochemical Survey of Cobalamin-Binding Proteins, 97:1171
Lee H-S, Sarosi I, Vyas GN. Aflatoxin B_1 Formamidopyrimidine Adducts in Human Hepatocarcinogenesis: A Preliminary Report, 97:1281
Lee KY. See Behar J
Lemaire M. See Matuchansky C
Lemen RJ. See Grant JD
Lennard-Jones JE. See Melville DM
Lenz HJ. Neurohumoral Pathways Mediating Stress-Induced Changes in Rat Gastrointestinal Transit, 97:216
Lenzi R. See Alpini G
Leung FW
See Thiefin G
See Zhang L
Leuschner M. See Leuschner U
Leuschner U, Fischer H, Kurtz W, Güldütuna S, Hübner K, Hellstern A, Gatzen M, Leuschner M. Ursodeoxycholic Acid in Primary Biliary Cirrhosis: Results of a Controlled Double-Blind Trial, 97:1268
Levenson HL. See McCullough AJ
Levine AS. See Anderson BW
Levitt MD. See Anderson BW
Levy GA. See Wakefield A
Lieber CS. See Caballeria J
Lifschitz CH, Polanco I. The D-Xylose Test in Pediatrics: Is It Useful? 97:246-c
Ling JP. See Kaljot KT
Ling KY. See Hollander D
Lisker-Melman M. See Martin P
Littman A, *Gastrointestinal Disease: Pathophysiology, Diagnosis, Management*, 97:236-br
Liu MH. See Alpini G
Livni N. See Heyd J
Livraghi T. See Sangalli G
Lock MTWT. See Groen JN
Loft DE, Marsh MN, Sandle GI, Crowe PT, Garner V, Gordon D, Baker R. Studies of Intestinal Lymphoid Tissue. XII. Epithelial Lymphocyte and Mucosal Responses to Rectal Gluten Challenge in Celiac Sprue, 97:29
Logan RFA, Rifkind EA, Turner ID, Ferguson A. Mortality in Celiac Disease, 97:265
Logemann JA. See Jacob P
Logsdon CD. See Rosewicz S
Lopes SM. See Jensen GL
Lopez C. See Claria J
Loreal O. See Guyader D
Lorentzon P. See Smolka A
Lowes JR, Rode J. Neuroendocrine Cell Proliferations in Gastric Antral Vascular Ectasia, 97:207-cr
Lucey MR, Wass JAH, Rees LH, Dawson AM, Fairclough PD. Relationship Between Gastric Acid and Elevated Plasma Somatostatinlike Immunoreactivity After a Mixed Meal, 97:867
Lyon DT. See McCullough AJ

Ma TY. See Krugliak P
Macherey HJ, Petersen KU. Rapid Decrease in Electrical Conductance of Mammalian Duodenal Mucosa In Vitro. Combined Effects of Prostaglandin E_2 and Bicarbonate, 97:1448
Mackay IR. See Tait B
Mackem SM. See Maton PN
MacKenzie JF. Microvascular Angina of the Esophagus? Reply, 97:226-ss
MacLellan DG, Thompson JC. Prostaglandins in the Mediation of Secretin-Induced Inhibition of Gastric Secretion and Stimulation of Pancreatic Secretion. Reply, 97:554-c
MacManus MP. See Maxwell AP
MacQueen G, Bienenstock J, Perdue M. Psychoneuroimmunology: Interactions of the Central Nervous System and the Intestinal Immune System. Reply, 97:228-ss
Maglinte DDT. See Rex DK
Magnetti C. See Kikendall JW
Magrin S. See Senaldi G
Maher KA. See Deschner WK
Malczewski MC. See Rex DK
Malet PF
Losing Weight, But Gaining Gallstones (But Maybe Not), 97:799-ss
See Auteri AG
Malfertheiner P. See Büchler M
Mandel JS, Bond JH, Bradley M, Snover DC, Church TR, Williams S, Watt G, Schuman LM, Ederer F, Gilbertsen V. Sensitivity, Specificity, and Positive Predictivity of the Hemoccult Test in Screening for Colorectal Cancers. The University of Minnesota's Colon Cancer Control Study, 97:597
Manousos O, Economidou I. Immunoproliferative Small Bowel Disease, 97:556-c
Mantle M, Thakore E, Atkins E, Mathison R, Davison JS. Effects of Streptozotocin-Diabetes on Rat Intestinal Mucin and Goblet Cells, 97:68
Marchal GJ. See Knockaert DC
Markesich DC. See Graham DY
Markowitz J. See Aiges H
Marks JW, Schoenfield LJ, Silverman A. Losing Weight, But Gaining Gallstones (But Maybe Not). Reply, 97:799-ss
Marrero JM. See Spychal RT
Marsh JC. *Cancer Therapy, Monoclonal Antibodies, Lymphokines. New Developments in Surgical Oncology and Chemo- and Hormonal Therapy*, 97:1348-br
Marsh MN. See Loft DE
Marshall BJ. Antimicrobial Therapy of Duodenal Ulcer? Hold Off for Now! Reply, 97:508-ss
Martin P, Di Bisceglie AM, Kassianides C, Lisker-Melman M, Hoofnagle JH. Rapidly Progressive Non-A, Non-B Hepatitis in Patients With Human Immunodeficiency Virus Infection, 97:1559
Mascioli EA. See Jensen GL
Maselli MA. See Pezzolla F
Mason JB. See Rosenberg IH
Masuda T. See Mori Y
Mathieu D, Zafrani ES, Anglade M-C, Dhumeaux D. Association of Focal Nodular Hyperplasia and Hepatic Hemangioma, 97:154
Mathison R. See Mantle M
Maton PN
Mackem SM, Norton JA, Gardner JD, O'Dorisio TM, Jensen R. Ovarian Carcinoma as a Cause of Zollinger-Ellison Syndrome. Natural History, Secretory Products, and Response to Provocative Tests, 97:468-cr
Vinayek R, Frucht H, McArthur KA, Miller LS, Saeed ZA, Gardner JD, Jensen RT. Long-Term Efficacy and Safety of Omeprazole in Patients With Zollinger-Ellison Syndrome: A Prospective Study, 97:827
Matsubara K. See Katayama K
Matsuoka Y. See Tateishi K
Matuchansky C, Touchard G, Babin P, Lemaire M, Cogne M, Preud'Homme J-L. Immunoproliferative Small Bowel Disease. Reply, 97:556-c
Maunoury V. See Brunetaud JM
Maxwell AP, MacManus MP, Gardiner TA. Misonidazole Binding in Murine Liver Tissue: A Marker for Cellular Hypoxia In Vivo, 97:1300
Maxwell V. See Kovacs TOG
Mazzacca G. See D'Agostino L
Mazzella G. See Villanova N
McArthur KA. See Maton PN
McCluer RH. See Mobassaleh M
McCullough AJ, Graham DY, Knuff TE, Lanza FL, Levenson HL, Lyon DT, Munsell WP, Perozza J, Roufail WM, Sinar DR, Smith JL, Berman RS, Root JK, Worley WE, Humphries TJ. Suppression of Nocturnal Acid Secretion With Famotidine Accelerates Gastric Ulcer Healing, 97:860
McElree C
See Katz KD
See Randolph LM
See Roth M-P
McGuigan JE. Inhibition of Hydrogen-Potassium-Stimulated Adenosine Triphosphatase: Effects on Acid Se-

cretion, Plasma Gastrin, and the Gastric Mucosa, 97:1045-e
McKeever P. See Facer P
McManus J. Pro-Choice—Sulfasalazine or 5-Aminosalicylic Acid in Ulcerative Colitis, 97:233-ss
Mehta S. See Zargar SA
Meier PJ. See Bansky G
Melville DM, Lennard-Jones JE. Dysplasia in Ulcerative Colitis: Aneuploidy Versus Morphology. Reply, 97:243-c
Meshkinpour H. Aerobic Exercise and Mouth-to-Cecum Transit Time. Reply, 97:1063-c
Mestas JL. See Ponchon T
Meydani M. See Seitz HK
Meyer JH. See Fried M
Meyer LP. See Jensen GL
Meyer zum Büschenfelde K-H. See Ramadori G
Michaletz PA, Judge D. Microwave Energy Compared With Heater Probe and BICAP in Canine Models of Peptic Ulcer Hemorrhage, 97:676
Michieletto L. See D'Aquino M
Miglio F. See Rosellini SR
Miller D. *Classic Papers in Viral Hepatitis*, 97:517-br
Miller LS. See Maton PN
Miller RH. See Kassianides C
Miller TA
All that Flushes Is Not Carcinoid, 97:234-ss
Detection of Colorectal Liver Metastases: Which Imaging Technique Is Best: 97:1589-ss
Gastric Ulcer Management: Is Long-Term Maintenance Therapy Necessary? 97:803-ss
Radiology and Endoscopy Complementary in Early Gastric Cancer. Reply, 97:1353-c
See Henagan JM
Millns PJ. See Daneshmend TK
Mir R. See Greenberg RE
Mitsuya H. See Kassianides C
Mizuno S. See Tazuma S
Mobassaleh M, Gross SK, McCluer RH, Donohue-Rolfe A, Keusch GT. Quantitation of the Rabbit Intestinal Glycolipid Receptor for Shiga Toxin. Further Evidence for the Developmental Regulation of Globotriaosylceramide in Microvillus Membranes, 97:384
Mollnes TE. See Halstensen TS
Montano AA. See Runyon BA
Morgante P. See Viola L
Mori K. See Hirota M
Mori Y, Fukuma K, Adachi Y, Shigeta K, Kannagi R, Tanaka H, Sakai M, Kuribayashi K, Uchino H, Masuda T. Parietal Cell Autoantigens Involved in Neonatal Thymectomy-Induced Murine Autoimmune Gastritis. Studies Using Monoclonal Autoantibodies, 97:364
Morino Y. See Hirota M
Moriyama K, Ishibashi H, Kashiwagi S, Asayama R. Presence of HBV DNA and HBeAg in Serum of an Anti-HBs-Positive Individual, 97:1068-c
Morris GP. See Tepperman BL
Mortensen PB, Hegnhøj J, Rannem T, Rasmussen HS, Holtug K. Short-Chain Fatty Acids in Bowel Contents Ater Intestinal Surgery, 97:1090
Mortimer R. See Powell EE
Mor-Yosef S. See Heyd J
Mostbeck G. See Walter RM
Munsell WP. See McCullough AJ

Nagi B. See Zargar SA
Nagorney DM. See Peine CJ
Nakanuma Y. See Terada T
Nakashima T. See Okuda K
Namihisa T. See Yasuura S
Nast CC. See Cominelli F
Naylor CD, O'Rourke K, Detsky AS, Baker JP. Parenteral Nutrition With Branched-Chain Amino Acids in Hepatic Encephalopathy. A Meta-Analysis, 97:1033
Neuberger J. See Polson RJ
Nevalainen TJ. See Büchler M
Newbold KM. See O'Connor HJ
Niederau C, Heintges T, Rovati L, Strohmeyer G. Effects of Loxiglumide on Gallbladder Emptying in Healthy Volunteers, 97:1331
Niida H. See Takeuchi K
Nishiwaki H. See Takeuchi K
Nomura F. See Ohnishi K
Northfield TC. See Spychal RT
Norton JA. See Maton PN
Nurit Y. See Cattan D
Nyrén O. See Bates S

Ockner RK. Presentation of the Julius Friedenwald Medal to Marvin H. Sleisenger, MD, 97:1368
O'Connor HJ, Newbold KM, Alexander-Williams J, Thompson H, Drumm J, Donovan IA. Effect of Roux-en-Y Biliary Diversion on *Campylobacter pylori*, 97:958
O'Dorisio TM. See Maton PN
O'Grady JG, Alexander GJM, Hayllar KM, Williams R. Early Indicators of Prognosis in Fulminant Hepatic Failure, 97:439
Ohnishi K, Nomura F. Ultrasonic Doppler Studies of Hepatocellular Carcinoma and Comparison With Other Hepatic Focal Lesions, 97:1489
Okabe S. See Takeuchi K
Okada H. See Furukawa N
Okada M. See Takeuchi K
O'Keefe SJD. See Blackburn GL
Okuda K, Nakashima T, Kojiro M, Kondo Y, Wada K. Hepatocellular Carcinoma Without Cirrhosis in Japanese Patients, 97:140
Okuda S. See Kasugai H
Olbert F. See Walter RM
Orkin BA. See Talley NJ
Orlando RC. See Hamilton BH
O'Rourke K. See Naylor CD
Oshiro LS. See Kaljot KT
Ott DJ, Gelfand DW, Chen YM. Radiology and Endoscopy Complementary in Early Gastric Cancer, 97:1353-c
Ottenjann R. See Christiansen J

Pallone F. See Fais S
Palmer RH. Cimetidine and Alcohol Absorption, 97:1066-c
Panés J, Soler X, Parés A, Caballeria J, Farrés J, Rodés J, Parés X. Influence of Liver Disease on Hepatic Alcohol and Aldehyde Dehydrogenases, 97:708
Paris JC. See Brunetaud JM
Parés A. See Panés J
Parés X. See Panés J
Paronetto F. See Alpini G
Pascaud X. See Roman F
Paterson WG. Electrical Correlates of Peristaltic and Nonperistaltic Contractions in the Opossum Smooth Muscle Esophagus, 97:665
Patte D. See Rabbani GH
Patterson DE. See Peine CJ
Paumgartner G
See Allgayer H
See Holl J
Payne WD. See Bloomer JR
Peetermans JA. See Smith BF
Peeters T. See Gue M
Peiffer LP. See Colony PC
Peine CJ, Petersen BT, Williams HJ, Bender CE, Patterson DE, Segura JW, Nagorney DM, Warner MA, Thistle JL. Extracorporeal Shock-Wave Lithotripsy and Methyl *tert*-Butyl Ether for Partially Calcified Gallstones, 97:1229
Pena AS. See Walvoort HS
Penketh RJA. See Facer P
Penn D. See Firmansyah A
Perdue M. See MacQueen G
Perman JA. See Saavedra JM
Perozza J. See McCullough AJ
Petersen BT. See Peine CJ
Petersen GM. See Roth M-P
Petersen KU. See Macherey HJ
Peterson WL
Antimicrobial Therapy of Duodenal Ulcer? Hold Off for Now! 97:508-ss
Misoprostol Prevents Nonsteroidal Antiinflammatory Drug-Induced Gastric Ulcers—Has Pandora's Box Been Opened? 97:1053-ss
Pharmacotherapy of Bleeding Peptic Ulcer—Is It Time to Give Up the Search? 97:796-e
See Goldschmiedt M
Petras RE, Farmer RG, Sivak MV, Jr., Rankin GB. Dysplasia in Ulcerative Colitis: Aneuploidy Versus Morphology, 97:243-c

Pezzilli R. See Gullo L
Pezzolla F, Riezzo G, Maselli MA, Giorgio I. Electrical Activity Recorded From Abdominal Surface After Gastrectomy or Colectomy in Humans, 97:313
Pfeiffer A. See Schmidt T
Piasecki C, Thrasivoulou C, Rahim A. Ulcers Produced by Ligation of Individual Gastric Mucosal Arteries in the Guinea Pig, 97:1121
Pignata S. See D'Agostino L
Pimentel E. See Viola L
Polak JM. See Facer P
Polanco I. See Lifschitz CH
Polio J. *Vasopressin Analogs and Portal Hypertension*, 97:1598-br
Polisson RP. Is Low-Dose Pulse Methotrexate Hepatotoxic in Rheumatoid Arthritis? Reply, 97:230-ss
Polistina C. See D'Agostino L
Polson RJ, Portmann B, Neuberger J, Calne RY, Williams R. Evidence for Disease Recurrence After Liver Transplantation for Primary Biliary Cirrhosis. Clinical and Histologic Follow-up Studies, 97:715
Ponchon T, Barkun AN, Pujol B, Mestas JL, Lambert R. Gallstone Disappearance After Extracorporeal Lithotripsy and Oral Bile Acid Dissolution, 97:457
Pongpunlert W. See Poovorawan Y
Poovorawan Y, Pongpunlert W, Sanpavat S, Chumdermpadetsuk S. More Bang for the Buck in Bangkok: Using Hepatitis B Virus Vaccine Without Hepatitis B Immune Globulin. Reply, 97:1588-ss
Porte RJ, Knot EAR, Bontempo FA. Hemostasis in Liver Transplantation, 97:488
Portmann B. See Polson RJ
Pothoulakis C. See Triadafilopoulos G
Powell EE, Searle J, Mortimer R. Steatohepatitis Associated With Limb Lipodystrophy, 97:1022
Powell LW. See Fletcher LM
Preud'Homme J-L. See Matuchansky C
Prichard PJ. See Daneshmend TK
Priest JR. See Watterson J
Prieto J. See Fernandez-Seara J
Prokopiw I, Dinda PK, Beck IT. Regional Differences in the Vascular Response of the Canine Esophagus to Vasodilators, 97:42
Psaila JV. See Rhodes J
Pujol B. See Ponchon T

Quiroga J. See Fernandez-Seara J

Rabbani GH, Butler T, Patte D, Abud RL. Clinical Trial of Clonidine Hydrochloride as an Antisecretory Agent in Cholera, 97:321
Rabeneck L. *Clinical Gastroenterology*, 97:1596-br
Rachmilewitz D, Simon PL, Schwartz LW, Griswold DE, Fondacaro JD, Wasserman MA. Inflammatory Mediators of Experimental Colitis in Rats, 97:326
Raffensperger E. See Sigal SH
Rahim A. See Piasecki C
Raju GS. See Dilawari JB
Ralls P. See Akriviadis EA
Ramadori G, Rieder H, Theiss F, Meyer zum Büschenfelde K-H. Fat-Storing (Ito) Cells of Rat Liver Synthesize and Secrete Apolipoproteins: Comparison With Hepatocytes, 97:163
Randolph LM, Toyoda H, McElree CK, Shanahan F, Targan SR, Rotter JI. Lack of an Association Between Polymorphisms of the T-Cell Receptor α-Chain and Ulcerative Colitis, 97:1115
Rankin GB. See Petras RE
Rannem T. See Mortensen PB
Ranson JHC
Endoscopy for Gallstone Pancreatitis, 97:1592-ss
Management of Necrotizing Pancreatitis, 97:510-ss
Rasmussen HS. See Mortensen PB
Rastegar A. *Magnesium in Clinical Practice*, 97:1059-br
Read NW
See Fone DR
See Sun WM
Redeker AG. See Akriviadis EA
Redmond HP, Leahy AL, Keane FBV, Tanner WA. Effect of FOY-305 (Camostate) on Severe Acute Pancreatitis in Two Experimental Animal Models, 97100-c
Reedy T. See Fried M
Rees LH. See Lucey MR
Reichen J. See Knuchel J
Reihner E, Björkhem I, Angelin B, Ewerth S, Einarsson K. Bile Acid Synthesis in Humans: Regulation of Hepatic Microsomal Cholesterol 7 α-Hydroxylase Activity, 97:1498
Rex DK, Lappas JC, Maglinte DDT, Malczewski MC, Kopecky KA, Cockerill EM. Enteroclysis in the Evaluation of Suspected Small Intestinal Bleeding, 97:58
Rhodes J, Psaila JV. Effect of Prostaglandin E_2 in Experimental Colitis, 97:1356-c
Richter JE
Microvascular Angina of the Esophagus? 97:226-ss
Surgery or Pneumatic Dilatation for Achalasia: A Head-to-Head Comparison. Now Are All the Questions Answered? 97:1340-ss
Riddell R
See Fennerty MB
See Stead RH
Rieder H. See Ramadori G
Riederer E. See Bansky G
Riely CA. Anti-Endoplasmic Reticulum Antibody in Autoimmune Chronic Active Hepatitis—An Antibody Comes of Age, 97:506-ss
Riezzo G. See Pezzolla F
Rifkind EA. See Logan RFA
Rigas B. *The Bile Acids: Chemistry, Physiology, and Metabolism. Volume 4. Methods and Applications*, 97:238-br
Ring-Larsen H. See Henriksen JH
Rivera F. See Claria J
Robaeys GK. See Knockaert DC
Robert A, Leung FW, Kaiser DG, Guth PH. Potentiation of Aspirin-Induced Gastric Lesions by Exposure to Cold in Rats. Role of Acid Secretion, Mucosal Blood Flow, and Gastric Mucosal Prostanoid Content, 97:1147
Roberts FD. See Fletcher LM
Roberts IM. Fecal Lipid Excretion in Pancreatic Insufficiency, 97:248-c
Roche JK. See Winter HS
Roda E. See Villanova N
Rodamilans M. See Caballeria J
Rode J. See Lowes JR
Rodek CH. See Facer P
Rodés J
See Claria J
See Panés J
Rodriguez-Eire JL. See Fernandez-Seara J
Rognum TO. See Brandtzaeg P
Rohner C. See Inauen W
Roman F, Pascaud X, Chomette G, Bueno L, Junien JL. Autoradiographic Localization of Sigma Opioid Receptors in the Gastrointestinal Tract of the Guinea Pig, 97:76
Root JK. See McCullough AJ
Rosa J. See Aiges H
Rosellini SR, Costa PL, Gaudio M, Saragoni A, Miglio F. Hepatic Injury Related to Enalapril, 97:810-c
Rosenberg IH, Mason JB. Folate, Dysplasia, and Cancer, 97:502-e
Rosenthal A. See Wakefield A
Rosenthal WS. See Stein BE
Rosewicz S, Logsdon CD. Pancreatic Kallikrein Gene Expression: Effects of Glucocorticoids In Vivo and In Vitro, 97:1005
Roth M-P, Petersen GM, McElree C, Feldman E, Rotter JI. Geographic Origins of Jewish Patients With Inflammatory Bowel Disease, 97:900
Rothmund M. See Schwerk WB
Rotter JI
See Katz KD
See Randolph LM
See Roth M-P
Roucayrol A-M. See Cattan D
Roufail WM. See McCullough AJ
Rousseau B. See Euler AR
Rovati L. See Niederau C
Ruckdeschel G. See Schmidt T
Runyon BA, Antillon MR, Montano AA. Effect of Diuresis Versus Therapeutic Paracentesis on Ascitic Fluid Op-

sonic Activity and Serum Complement, 97:158
Rüschoff J. See Schwerk WB
Russell RM. See Seitz HK
Rutgeerts P, Geboes K, Vantrappen G. Experimental Studies of Injection Therapy for Severe Nonvariceal Bleeding in Dogs, 97:610

Saavedra JM, Perman JA. Aerobic Exercise and Mouth-to-Cecum Transit Time, 97:1063-c
Sachs G. See Smolka A
Sackmann M. See Holl J
Saeed ZA. See Maton PN
Safary A. More Bang for the Buck in Bangkok: Using Hepatitis B Virus Vaccine Without Hepatitis B Immune Globulin. Reply, 97:1588-ss
Sagawa H. See Tazuma S
Sakai M. See Mori Y
Sakamoto K. See Hirota M
Sampliner RE. See Fennerty MB
Sanderson M. See Sobala GM
Sandle GI. See Loft DE
Sangalli G, Livraghi T, Giodano F. Fine Needle Liver Biopsy of Hepatocellular Carcinoma: Is Sampling Simple? Reply, 97:247-c
Sanpavat S. See Poovorawan Y
Saragoni A. See Rosellini SR
Sarosi I. See Lee H-S
Sarr MG. See Behrns KE
Sasaki H. See Tazuma S
Sasaki Y
See Kasugai H
See Katayama K
Sato N. See Katayama K
Sauerbruch T. See Holl J
Saul SH. See Sigal SH
Saverymuttu SH. See Spychal RT
Schädlich H. See Büchler M
Scheinberg IH. See Collins JC
Schepp W, Kath D, Tatge C, Zimmerhackl B, Schusdziarra V, Classen M. Leukotrienes C_4 and D_4 Potentiate Acid Production by Isolated Rat Parietal Cells, 97:1420
Schiessel R. See Feil W
Schmid M. See Bansky G
Schmidt KL. See Henagan JM
Schmidt T, Pfeiffer A, Ehret W, Keiditsch E, Ruckdeschel G, Kaess H. *Legionella* Infection of the Colon Presenting as Acute Attack of Ulcerative Colitis, 97:751-cr
Schmucker DL. See Jones AL
Schoenfield LJ. See Marks JW
Schorah CJ. See Sobala GM
Schubert ML, Hightower J. Inhibition of Acid Secretion by Bombesin Is Partly Mediated by Release of Fundic Somatostatin, 97:561
Schulze-Delrieu K. Hirschsprung's Disease: Matters of Matrix and Migration, 97:513-ss
Schuman LM. See Mandel JS
Schurawitzki H. See Walter RM
Schürer-Maly C-C. See Inauen W
Schusdziarra V. See Schepp W
Schüssler P. See Holl J
Schwartz LW. See Rachmilewitz D
Schwartz SS. *Clinical Radiology of the Small Intestine*, 97:1347-br
Schwartzman ML. See Stein BE
Schwerk WB, Wichtrup B, Rothmund M, Rüschoff J. Ultrasonography in the Diagnosis of Acute Appendicitis: A Prospective Study, 97:630
Scott AJ. See Hunt DR
Scott H. See Brandtzaeg P
Scott TE. See Booker ML
Searle J. See Powell EE
Seetharam B. See Lee EY
Segura JW. See Peine CJ
Sehgal PK. See Winter HS
Seitz HK, Meydani M, Ferschke I, Simanowski UA, Boesche J, Łogusz M, Hoepker W-W, Blumberg JB, Russell RM. Effect of Aging on In Vivo and In Vitro Ethanol Metabolism and Its Toxicity in F344 Rats, 97:446
Senaldi G, Donaldson PT, Magrin S, Farrant JM, Alexander GJM, Vergani D, Williams R. Activation of the Complement System in Primary Sclerosing Cholangitis, 97:1430
Sevenet F, Deramond H, Hadengue A, Casadevall N, Delamarre J, Capron J-P. Membranous Obstruction of the Inferior Vena Cava Associated With a Myeloproliferative Disorders: A Clue to Membrane Formation? 97:1019-cr
Shah V. See Jacob P
Shanahan F
See Anton PA
See Randolph LM
Shiau YF. See Khouri MK
Shigeta K. See Mori Y
Siegal FP. See Greenberg RE
Sigal SH, Saul SH, Auerbach HE, Raffensperger E, Kant JA, Brooks JJ. Gastric Small Lymphocytic Proliferation With Immunoglobulin Gene Rearrangement in Pseudolymphoma Versus Lymphoma, 97:195-cr
Silverman A. See Marks JW
Silverman R. See Wakefield A
Silvestro G. See D'Agostino L
Simanowski UA. See Seitz HK
Simoens C, Woussen-Colle MC, De Graef J. Effect of Acute Suppression of Acid Secretion by Omeprazole on Postprandial Gastrin Release in Conscious Dogs, 97:837
Simon M. See Guyader D
Simon PL. See Rachmilewitz D
Sinar DR. See McCullough AJ
Sivak MV, Jr. See Petras RE
Sjödén P-O. See Bates S
Skolnick MH. See Edwards CQ
Slott PA. See Alpini G
Smith BF, Peetermans JA, Tanaka T, LaMont JT. Subunit Interactions and Physical Properties of Bovine Gallbladder Mucin, 97:179
Smith JL. See McCullough AJ
Smolka A, Sachs G, Lorentzon P. Cell-Free Synthesis of Rat and Rabbit Gastric Proton Pump, 97:873
Snover DC
See Bloomer JR
See Mandel JS
Sobala GM, Schorah CJ, Sanderson M, Dixon MF, Tompkins DS, Godwin P, Axon ATR. Ascorbic Acid in the Human Stomach, 97:357
Söderberg HNA. See Allgayer H
Soler X. See Panés J
Sollid LM. See Brandtzaeg P
Sondheimer JM. Clearance of Spontaneous Gastroesophageal Reflux in Awake and Sleeping Infants, 97:821
Soper BD. See Tepperman BL
Soper NJ. See Behrns KE
Sørensen TIA. See Henriksen JH
Spiro HM
Atlas of Gastrointestinal Pathology, 97:239-br
The Autopsy—Medical Practice and Public Policy, 97:1351-br
Comparative Nutrition, 97:808-br
Diseases of the Liver and Biliary System, Eighth Ed., 97:1596-br
Doctors Only—The Evolving Image of the American Physician, 97:1597-br
Drug Interactions—Clinical Significance of Drug Interaction, 97:808-br
Essays on the Rise and the Decline of Bedside Medicine, 97:515-br
Ethics in America—Source Reader and Study Guide, 97:1598-br
Ethics in America—Study Guide, 97:1598-br
Gastric Protection, 97:808-br
HMS to HMS: "Ave! Tschüss!" 97, 1599
Moments of Engagement—Intimate Psychotherapy in a Technological Age, 97:1351-br
Operative Ultrasonography, 97:808-br
The Pancreas in Connection With the Epigastric Unit, 97:1060-br
Peritoneum and Peritoneal Access, 97:1597-br
The Role of Laser in Gastroenterology—A Descriptive Analysis of Eight Years Experience, 97:808-br
Treating IBD: A Patient's Guide to the Medical and Surgical Management of Inflammatory Bowel Disease, 97:1598-br
Yearbook of Digestive Diseases—1988, 97:517-br
Spychal R, Marrero JM, Saverymuttu SH, Northfield TC. Measurement of the Surface Hydrophobicity of Human Gastrointestinal Mucosa, 97:104
Stadeager C. See Henriksen JH
Stahl RE. See Stein BE

Starlinger M. See Feil W
Stead RH, Dixon MF, Bramwell NH, Riddell RH, Bienenstock J. Mast Cells Are Closely Apposed to Nerves in the Human Gastrointestinal Mucosa, 97:575
Stein BE, Schwartzman ML, Carroll MA, Stahl RE, Rosenthal WS. Role of Arachidonic Acid Metabolism in Acid-Pepsin Injury to Rabbit Esophagus, 97:278
Steinbronn K. See Fennerty MB
Steindel H. See Akriviadis EA
Stenson WF. Effect of Prostaglandin E_2 in Experimental Colitis. Reply, 97:1356-c
Stern MP. See Diehl AK
Sternini C, Anderson K, Frantz G, Krause JE, Brecha N. Expression of Substance P/Neurokinin A-Encoding Preprotachykinin Messenger Ribonucleic Acids in the Rat Enteric Nervous System, 97:348
Sternlieb I. See Collins JC
Stockley RA. See Adams DH
Strober W. See Kanof ME
Strohmeyer G
See Karaus M
See Niederau C
Su GL. See Lashner BA
Sugano K. See DelValle J
Sun WM, Read NW, Donnelly TC. Impaired Internal Anal Sphincter in a Subgroups of Patients With Idiopathic Fecal Incontinence, 97:130
Sutphen JL, Dillard VL. Dietary Caloric Density and Osmolality Influence Gastroesophageal Reflux in Infants, 97:601
Sweeting J
Effect of Cholecystectomy on Bile Acid Kinetics, 97:1593-ss
Gut Proteins and Hemochromatosis, 97:798-ss
Tumor Necrosis Factor in Alcoholic Hepatitis, 97:1056-ss

Taché Y. See Thiefin G
Tagliaferri P. See D'Agostino L
Tait B, Mackay IR, Board P, Coggan M, Emery P, Eckardt G. HLA A1, B8, DR3 Extended Haplotypes in Autoimmune Chronic Hepatitis, 97:479
Takeuchi K, Nishiwaki H, Okada M, Niida H, Okabe S. Bilateral Adrenalectomy Worsens Gastric Mucosal Lesions Induced by Indomethacin in the Rat. Role of Enhanced Gastric Motility, 97:284
Talley NJ, Camilleri M, Orkin BA, Kramlinger KG. Effect of Cyclical Unipolar Depression on Upper Gastrointestinal Motility and Sleep, 97:775
Tamamura H. See Tateishi K
Tanaka H. See Mori Y
Tanaka T. See Smith BF
Tanner WA. See Redmond HP
Targan SR
See Anton PA
See Randolph LM
Taroni F. See Villanova N
Tateishi K, Funakoshi A, Jimi A, Funakoshi S, Tamamura H, Yajima H, Matsuoka Y. High Plasma Pancreastatin-like Immunoreactivity in a Patient With Malignant Insulinoma, 97:1313-cr
Tatge C. See Schepp W
Tatsuta M. See Kasugai H
Tavoloni N. See Alpini G
Taylor IL. See Fried M
Tazuma S, Sasaki H, Mizuno S, Sagawa H, Hashiba S, Horiuchi I, Kajiyama G. Effect of Ursodeoxycholic Acid Administration on Nucleation Time in Human Gallbladder Bile, 97:173
Tepperman BL, Soper BD, Morris GP. Effect of Sialoadenectomy on Adaptive Cytoprotection in the Rat, 97:123
Terada T, Nakanuma Y, Hoso M, Kono N, Watanabe K. Hepatic Epithelioid Hemangioendothelioma in Primary Biliary Cirrhosis, 97:810-c
Terpstra OT. See Groen JN
Thakore E. See Mantle M
Theiss F. See Ramadori G
Thiefin G, Taché Y, Leung FW, Guth PH. Central Nervous System Action of Thyrotropin-Releasing Hormone to Increase Gastric Mucosal Blood Flow in the Rat, 97:405
Thiele DL
Additional Evidence that Celiac Disease Is a Genetically Determined, Immunoallergic Disease, 97:231-ss
Sporadic Chronic Non-A, Non-B Viral Hepatitis: A More Ominous Diagnosis than First Surmised? 97:1342-ss
Thirlby RC. Somatostatin and Postgastrectomy Dumping, 97:1344-ss
Thistle JL. See Peine CJ
Thompson H. See O'Connor HJ
Thompson JC. See MacLellan DG
Thompson SH. See Grant JD
Thompson WR. See Behar J
Thrasivoulou C. See Piasecki C
Tompkins DS. See Sobala GM
Touchard G. See Matuchansky C
Toyoda H. See Randolph LM
Trainer TD. See Colletti RB
Tran D. See Krugliak P
Traube M. *Gastroesophageal Reflux*, 97:807-br
Triadafilopoulos G, Pothoulakis C, Weiss R, Giampaolo C, LaMont JT. Comparative Study of *Clostridium difficile* Toxin A and Cholera Toxin in Rabbit Ileum, 97:1186
Trier JS
Federal Support for Digestive Diseases Research, 97:504-e
See Weinman MD
Turner ID. See Logan RFA
Uchino H. See Mori Y
Udall JN, Jr. See Grant JD
Ueda K. See Katayama K
Ueno T. See Yasuura S
Ulshen M. α_1-Antitrypsin Deficiency: Two Wrongs Can Make a Right, 97:225-ss
Urban E
The A, B, C of D-Xylose Absorption, 97:512-ss
The Liver Is Man's Carburetor, 97:805-ss

Vadheim CM. See Katz KD
Vaira D, Holton J. Serum Immunoglobulin G Antibody Levels for *Campylobacter pylori* Diagnosis, 97:1069-c
van Aswegen G. See Facer P
van Blankenstein M. See Groen JN
Vantrappen G
See Gué M
See Rutgeerts P
Varga L. See Inauen W
Vergani D. See Senaldi G
Villanova N, Bazzoli F, Taroni F, Frabboni R, Mazzella G, Festi D, Barbara L, Roda E. Gallstone Recurrence After Successful Oral Bile Acid Treatment. A 12-Year Follow-up Study and Evaluation of Long-Term Postdissolution Treatment, 97:726
Vinayek R. See Maton PN
Vink AI. All that Flushes Is Not Carcinoid. Reply, 97:234-ss
Viola L, Pimentel E, Morgante P, Fernandez JL. Posttransfusion Hepatitis in Buenos Aires, Argentina, 97:246-c
Von Arx F. See Christiansen J
von Ritter C
Be R, Granger DN. Neutrophilic Proteases: Mediators of Formyl-Methionyl-Leucyl-Phenylalanine-Induced Ileitis in Rats, 97:605
Grisham MB, Granger DN. Formyl-Methionyl-Leucyl-Phenylalanine-Induced Intestinal Inflammation. Reply, 97:811-c
Grisham MB, Hollwarth M, Inauen W, Granger DN. Neutrophil-Derived Oxidants Mediate Formyl-Methionyl-Leucyl-Phenylalanine-Induced Increases in Mucosal Permeability in Rats, 97:778
Vonk RJ. See Bijleveld CMA
Vroman B. See Ishii M
Vuitch F. See Goldschmiedt M
Vyas GN. See Lee H-S

Wada K. See Okuda K
Wakefield A
Cohen Z, Craig M, Connolley P, Jeejeebhoy KN, Silverman R, Levy GA. Thrombogenicity of Total Parenteral Nutrition Solution. I. Effect on Induction of Monocyte/Macrophage Procoagulant Activity, 97:1210
Cohen Z, Rosenthal A, Craig M, Jeejeeb-

hoy KN, Gotlieb A, Levy GA. Thrombogenicity of Total Parenteral Nutrition Solutions. II. Effect on Induction of Endothelial Cell Procoagulant Activity, 97:1220
Wald A, Hinds JP, Caruana BJ. Psychological and Physiological Characteristics of Patients With Severe Idiopathic Constipation, 97:932
Walser H. See Bansky G
Walsh JH
Why Does the Gastric Oxyntic Gland Mucosa Contain Gastrin-Releasing Peptide Nerve Fibers? 97:793-e
See Kovacs TOG
Walsh MM, Brandspigel K. Gastrointestinal Bleeding due to Pancreatic Schwannoma Complicating Von Recklinghausen's Disease, 97:1550
Walter RM, Karnel F, Schurawitzki H, Mostbeck G, Olbert F. Embolotherapy for Severe Iatrogenic Hepatic Injury, 97:1065-c
Walvoort HC, Fazzi GE, Pena AS. Seroreactivity of Patients With Crohn's Disease With Lymph Nodes of Primed Nude Mice Is Independent of the Tissue Used for Priming, 97:1097
Wang KK, Czaja AJ. Prognosis of Corticosteroid-Treated Hepatitis B Surface Antigen-Negative Chronic Active Hepatitis in Postmenopausal Women: A Retrospective Analysis, 97:1288
Warner MA. See Peine CJ
Washington J. See Zhang L
Wass JAH. See Lucey MR
Wasserman MA. See Rachmilewitz D
Watanabe K. See Terada T
Watanabe S. See Yasuura S
Watt G. See Mandel JS
Watterson J, Priest JR. Jaundice as a Paraneoplastic Phenomenon in a T-Cell Lymphoma, 97:1319
Way D. See Fennerty MB
Weems WA. See Alizadeh H
Weimer MK. See Bloomer JR
Weinman MD, Allan CH, Trier JS, Hagen SJ. Repair of Microvilli in the Rat Small Intestine After Damage With Lectins Contained in the Red Kidney Bean, 97:1193
Weiss R. See Triadafilopoulos G
Wenzl E. See Feil W
West GA. See Kusugami K
Wichtrup B. See Schwerk WB
Wienbeck M
See Frieling T
See Karaus M
Wild G. See Jabbari M
Williams HJ. See Peine CJ
Williams R
See O'Grady JG
See Polson RJ
See Senaldi G
Williams S. See Mandel JS
Williams SJ. See Craig PI
Willis SM, Brewer T. Pancreatic Duct-Portal Vein Fistula, 97:1025
Winter HS, Crum PM, Jr., King NW, Sehgal PK, Roche JK. Expression of Immune Sensitization to Epithelial Cell-Associated Components in the Cotton-Top Tamarin: A Model of Chronic Ulcerative Colitis, 97:1075
Wolf DC. See Chawla RK
Wolf P. See D'Aquino M
Wolthers BG. See Bijleveld CMA
Wong HC. See Kovacs TOG
Wong Y-M M. See Feil W
Wood DR. See Euler AR
Woodward J. See Kikendall JW
Worley WE. See McCullough AJ
Woussen-Colle MC. See Simoens C
Wozei G, Barth J. Formyl-Methionyl-Leucyl-Phenylalanine-Induced Intestinal Inflammation, 97:811-c

Xing L. See Zhang L

Yajima H. See Tateishi K
Yamada T. See DelValle J
Yasuura S, Ueno T, Watanabe S, Hirose M, Namihisa T. Immunocytochemical Localization of Myosin in Normal and Phalloidin-Treated Rat Hepatocytes, 97:982
Yonei Y, Guth PH. Lipoxygenase Metabolites in the Rat Gastric Microvascular Response to Intragastric Ethanol, 97:304
Yoshimura HH. See Graham DY
Youngman KR. See Kusugami K

Zafrani ES. See Mathieu D
Zargar SA, Kochhar R, Nagi B, Mehta S, Mehta SK. Ingestion of Corrosive Acids. Spectrum of Injury to Upper Gastrointestinal Tract and Natural History, 97:702
Zhai W-R. See Alpini G
Zhang L, Xing L, Demers L, Washington J, Kauffman GL, Jr. Central Neurotensin Inhibits Gastric Acid Secretion: An Adrenergic Mechanism in Rats, 97:1130
Ziegler WH. See Bansky G
Zimmerhackl B. See Schepp W
Zimmermann A. See Knuchel J
Zinny MA. See Euler AR
Zintel A. See Bauer FE
Zipser RD. See Cominelli F
Zozaya JM. See Fernandez-Seara J

SUBJECT INDEX TO VOLUME 97

Abetalipoproteinemia, hepatic peroxisomal abnormalities, 97:766-cr
Absorption
intestine, infusate viscosity (rat), 97:938
lactose, urinary galactose measurement, 97:895
xylose, kinetic analysis, 97:512-ss
***N*-Acetylation**, colonic, of 5-aminosalicylic acid, in inflammatory bowel disease, 97:38
Achalasia
airway obstruction, role of belch reflex, 97:1323-cr
surgery or pneumatic dilatation, 97:1340-ss
Achlorhydria, pentagastrin-fast, in postbulbar duodenal ulcer, 97:771-cr
Acid secretion
blocked and nonblocked, and pain in ulcer and nonulcer dyspepsia, 97:376
bombesin inhibition of, role of somatostatin (mouse), 97:561, 793-e
cold effects (rat), 97:1147
gastrin mediation of gastric phase (dog), 97:1406
neurotensin inhibition of (rat), 97:1130
nocturnal, famotidine and gastric ulcer healing, 97:860
omeprazole suppression of, and postprandial gastrin release (dog), 97:837, 1045-e
by parietal cells, effect of leukotrienes C_4 and D_4, 97:1420
and somatostatinlike immunoreactivity after mixed meal, 97:867
Acids, corrosive, ingestion of, and upper gastrointestinal injury, 97:702
Acknowledgment of Reviewers, 97:1605
Acquired immunodeficiency syndrome (AIDS)
AZT treatment of intestinal cryptosporidiosis, 97:1327-cr
with diarrhea, acute enteric viral pathogens, 97:1031
non-A, non-B hepatitis, 97:1559-cr
Adenocarcinoma and dysplasia in Barrett's esophagus, 97:1064-c
Adenomas
colon, cigarettes and alcohol as risk factors, 97:660
rectosigmoid villous, endoscopic laser treatment, 97:272
Adolescents, growth retarded, with Crohn's disease, home nocturnal supplemental nasogastric feedings, 97:905
Adrenalectomy
bilateral, and indomethacin-induced gastric mucosal lesions (rat), 97:284
pancreatic kallikrein gene expression (rat), 97:1005
Aflatoxin B_1 formamidopyrimidine adducts, in human hepatocarcinogenesis, 97:1281
Age
and ethanol metabolism and toxicity (rat), 97:446
and intestinal mucosal injury induced by ischemia and reperfusion (pig), 97:920
and prognosis in fulminant hepatic failure, 97:439
Airway obstruction in achalasia, role of belch reflex, 97:1323-cr
Albumin, intragastric, pancreatobiliary response, 97:1544
Alcohol
absorption, and cimetidine, 97:1066-c
risk factor for colonic adenoma, 97:660
Alcohol dehydrogenase
aging effects (rat), 97:446
and aldehyde dehydrogenase, in liver disease, 97:708
Alkaline secretion
duodenal mucosal restitution (rabbit), 97:112
epithelial restitution of colonic mucosa (human, rabbit), 97:685
by esophagus (opossum, rabbit), 97:640
American Gastroenterological Association
Friedenwald Medal presentation to Marvin H. Sleisinger, 97:1368
Reorganizing the AGA: Why, How, and When. The Presidential Address, 97:1361
training programs, 97:518
Amino acids
branched-chain, parenteral nutrition in hepatic encephalopathy, 97:1033, 1043-e, 1049-e
consumption test, exocrine pancreatic function after gastrectomy, 97:147
intragastric meal, pancreatobiliary response, 97:1544
pancreatic uptake, somatostatin effects, 97:732
5-Aminosalicylic acid
colonic *N*-acetylation of, in inflammatory bowel disease, 97:38
vs. sulfasalazine, in ulcerative colitis, 97:233-ss
Anatomy, of vertical banded gastroplasty, 97:91
Aneuploidy, dysplasia in ulcerative colitis, 97:243-c
Animal research, and practicing gastroenterologist, 97:1585-e
Anorectum
internal anal sphincter, in idiopathic fecal incontinence, 97:130
sensorimotor function, in patients with idiopathic constipation, 97:932
Antibodies
anti-endoplasmic reticulum, in autoimmune chronic active hepatitis, 97:506-ss
hepatitis B virus X gene protein, in type B chronic liver disease, 97:990
monoclonal
aflatoxin B_1 formamidopyrimidine adducts, in hepatocarcinogenesis, 97:1281
to bile duct epithelial cells from normal liver (rat), 97:1236
Cancer Therapy, Monoclonal Antibodies, Lymphokines. New Developments in Surgical Oncology and Chemo- and Hormonal Therapy, 97:1348-br
gastrin as mediator of gastric phase of acid secretion (dog), 97:1406
Antigens
4F2, and common acute lymphoblastic leukemia, in colonic epithelium, 97:1435
parietal cell autoantigens, in autoimmune gastritis (mouse), 97:364
α_1-Antitrypsin deficiency, PiZZ phenotype, 97:225-ss
Apolipoprotein synthesis by liver fat-storing cells, comparison with hepatocytes (rat), 97:163
Appendicitis, acute, ultrasonographic diagnosis, 97:630
Arachidonic acid metabolites
in acid-pepsin injury to esophagus (rabbit), 97:278
in hepatobiliary physiology and disease, 97:781

KEY TO ABBREVIATIONS
ar–audiovisual review
br–book review
c–correspondence
cc–clinical conference
cr–case report
ctt–clinical trends and topics
e–editorial
hs–historical series
pa–progress article
ra–review article
ss–selected summary

Arbaprostil, single nighttime dose, in acute duodenal ulcer, 97:98
Arteries, gastric mucosal, single occlusion of (guinea pig), 97:1121
Arthritis, rheumatoid, methotrexate-associated hepatotoxicity, 97:230-ss
Ascites
and liver cirrhosis, with and without renal failure, hemodynamics in, 97:1304
opsonic activity, diuresis vs. therapeutic paracentesis effects, 97:158
Ascorbic acid in stomach, 97:357
Aspartate aminotransferase, mitochondrial, in nonalcoholic cirrhosis, 97:240-c
Aspirin, gastric lesions
and cold exposure (rat), 97:1147
prostaglandin effects in vivo and in vitro (dog), 97:649
H^+,K^+-ATPase
and leukotrienes C_4 and D_4, acid production in parietal cells, 97:1420
in stomach, cell-free synthesis of (rabbit, rat), 97:873, 1045-e
Autopsy, *The Autopsy—Medical Practice and Public Policy*, 97:1351-br
Autoradiography
gastric blood flow, in portal hypertension (rat), 97:1108
misonidazole binding in liver (mouse), 97:1300
sigma opioid receptors in gastrointestinal tract (guinea pig), 97:76
AZT. See Zidovudine.

Bacteria, chemotactic oligopeptides, and intestinal mucosal barrier, 97:61
Balloon dilatation
and extracorporeal shock-wave lithotripsy, removal of common bile duct stones, 97:202-cr
or surgery, for achalasia, 97:1340-ss
Banana, protection of gastric mucosal barrier (rat), 97:294
Bassen-Kornzweig disease, hepatic peroxisomal abnormalities, 97:766-cr
Belch reflex, airway obstruction in achalasia, 97:1323-cr
Bentiromide test, exocrine pancreatic function after gastrectomy, 97:147
Benzodiazepine receptor antagonist flumazenil, in hepatic encephalopathy, 97:744
Bicarbonate
of duodenal mucosa, brain peptide stimulation of (rat), 97:412
and prostaglandin E_2, combined effects on electrical conductance of duodenal mucosa, 97:1448
Bile
dietary cholesterol effects on phospholipids (prairie dog), 97:1261
formation, and liver cirrhosis, secretin effects (rat), 97:950
gallbladder, ursodeoxycholic acid effect on nucleation time, 97:173
leukocyte chemotaxis to, after liver transplantation, 97:433
Bile acids
and benign recurrent intrahepatic cholestasis, 97:427
The Bile Acids: Chemistry, Physiology, and Metabolism. Volume 4. Methods and Applications, 97:238-br
gallstone
dissolution after lithotripsy, 97:457
recurrence after oral treatment, 97:726
kinetics, effect of cholecystectomy, 97:1593-ss
synthesis in humans, hepatic microsomal cholesterol 7α-hydroxylase activity, 97:1498
Bile ducts
Cancer of the Bile Ducts and Pancreas, 97:1060-br
diameter changes after cholecystectomy, 97:1485
epithelial cells, of normal liver (rat), 97:1236
stone removal by percutaneous balloon dilatation and extracorporeal shock-wave lithotripsy, 97:202-cr
Biliary tract
arachidonic acid metabolites in physiology and disease of, 97:781
Biliary Lithotripsy, 97:237-br
cirrhosis
hepatic epithelioid hemangioendothelioma in, 97:810-c
liver transplantation and disease recurrence, 97:715
ursodeoxycholic acid in, 97:1268
Diseases of the Liver and Biliary System, 97:1596-br
epithelial cells, in nonparenchymal liver fraction (rat), 97:1248
and pancreatic response to intragastric amino acid meal, 97:1544
sludge, gallbladder mucin subunits (cow), 97:179
Binding sites, misonidazole, marker for liver hypoxia (mouse), 97:1300
Biopsy
fine needle liver, of hepatocellular carcinoma, 97:247-c
Guides to Clinical Aspiration Biopsy: Liver and Pancreas, 97:238-br
Bleeding
gastrointestinal, enteroclysis in evaluation of, 97:58
nonvariceal, injection therapy (dog), 97:610
peptic ulcers, SMS 201-995 effects, 97:568, 796-e
ultrathin endoscopy, famotidine protection of gastric mucosa, 97:944
Blood flow
gastric mucosa
adrenalectomy effects (rat), 97:284
CNS action of thyrotropin-releasing hormone (rat), 97:405
in portal hypertension (rat), 97:1108
vasodilator effects in esophagus (dog), 97:42
Blood loss
in liver transplantation, 97:488
neuroendocrine cells in gastric antral vascular ectasia, 97:207-cr
Blood vessels, submucosal, complement activation in inflammatory bowel disease, 97:10
Bombesin
acid secretion inhibition, role of somatostatin (mouse), 97:561, 793-e
and duodenal mucosal bicarbonate secretion (rat), 97:412
Book Reviews
Atlas of Gastrointestinal Pathology, 97:239
The Autopsy—Medical Practice and Public Policy, 97:1351
Balliere's Clinical Gastroenterology. International Practice and Research. Adverse Drug Reactions in the Differential Diagnosis of GI and Liver Diseases, 97:1348
The Bile Acids: Chemistry, Physiology, and Metabolism. Volume 4, Methods and Applications, 97:238
Biliary Lithotripsy, 97:237
Calcium-Dependent Processes in the Liver, 97:516
Cancer of the Bile Ducts and Pancreas, 97:1060
Cancer Therapy, Monoclonal Antibodies, Lymphokines. New Developments in Surgical Oncology and Chemo- and Hormonal Therapy, 97:1348
Carcinogen Risk Assessment: New Directions in the Qualitative and Quantitative Aspects, 97:238
Causation and Prevention of Colorectal Cancer, 97:807
Classic Papers in Viral Hepatitis, 97:517
Clinical Gastroenterology, 97:1596
Clinical Nutrition in Paediatric Disorders, 97:516
Clinical Radiology of the Small Intestine, 97:1347
Common Problems in Gastrointestinal Surgery, 97:1350
Comparative Nutrition, 97:808
Difficult Decisions in Digestive Diseases, 97:236
Diseases of the Liver and Biliary System, 97:1596
Drug Interactions—Clinical Significance of Drug Interaction, 97:808
Essays on the Rise and the Decline of Bedside Medicine, 97:515
Ethics in America—Source Reader and Study Guide, 97:1598
Ethics in America—Study Guide, 97:1598

Frontiers of Gastrointestinal Research. Volumes 15 and 16. Newer Tests and Procedures in Pediatric Gastroenterology, 97:1350
Gastric Protection, 97:808
The Gastroenterology Assistant. A Laboratory Manual, 97:1061
Gastroesophageal Reflux, 97:807
Gastrointestinal Disease: Pathophysiology, Diagnosis, Management, 97: 236
Getting Into Practice, 97:1061
Guides to Clinical Aspiration Biopsy: Liver and Pancreas, 97:238
Magnesium in Clinical Practice, 97: 1059
Modern Concepts of Acute and Chronic Hepatitis, 97:807
Modern Imaging of the Liver: Applications of Computerized Tomography, Ultrasound, Nuclear Medicine, and Magnet Resonance Imaging, 97:1347
Moments of Engagement—Intimate Psychotherapy in a Technical Age, 97:1351
Nutrition and the Origins of Disease, 97:1059
Operative Ultrasonography, 97:808
The Pancreas in Connection With the Epigastric Unit, 97:1060
Peritoneum and Peritoneal Access, 97: 1597
A Practical Approach to Pediatric Gastroenterology, 97:237
The Role of Laser in Gastroenterology—A Descriptive Analysis of Eight Years Experience, 97:808
Treating IBD: A Patient's Guide to the Medical and Surgical Management of Inflammatory Bowel Disease, 97:1598
Vasopressin Analogs and Portal Hypertension, 97:1598
Yearbook of Digestive Diseases—1988, 97:517

Brain
and electrical stimulation of esophagus, 97:475
peptides, and duodenal mucosal bicarbonate secretion (rat), 97:412
Brunner's glands, peptidergic structures, 97:1382
***n*-Butyrate**, colonocyte metabolism of in malnutrition (rat), 97:622
BY 831-78, trophic effects on gastric mucosa, enprostil inhibition of (rat), 97:846

Calcium
Calcium-Dependent Processes in the Liver, 97:516-br
and colon cancer, 97:804-ss
Camostate, for pancreatitis, 97:1600-c
Campylobacter pylori
and duodenal ulcers, 97:508-ss
IgG antibody levels, 97:1069-c
and Roux-en-Y biliary diversion, 97: 958
Cancer
Cancer of the Bile Ducts and Pancreas, 97:1060-br
Cancer Therapy, Monoclonal Antibodies, Lymphokines. New Developments in Surgical Oncology and Chemo- and Hormonal Therapy, 97:1348-br
Carcinogen Risk Assessment: New Directions in the Qualitative and Quantitative Aspects, 97:238-br
colon
and calcium, 97:804-ss
cell lineage markers, 97:392
colorectal
Causation and Prevention of Colorectal Cancer, 97:807-br
Hemoccult screening test, 97:597
and gastric ascorbic acid, 97:357
gastric, endoscopy and radiology, 97: 1353-c
in ulcerative colitis, effect of folate supplementation, 97:255, 502-e
Carbachol and VIP responses in colonic epithelial cell line, 97:1345-ss
Carbohydrates, dietary, and gastroesophageal reflux in infants, 97:601
Carcinogenesis, liver, aflatoxin B_1 formamidopyrimidine adducts in, 97: 1281
Carcinoid syndrome, and idiopathic flushing, 97:234-ss
Carcinoma
hepatocellular
with and without cirrhosis, 97:136, 140
fine needle liver biopsy, 97:247-c
transcatheter arterial embolization with intraarterial infusion of cisplatin and ethiodized oil, 97:965
ultrasonic Doppler studies, 97:1489
ovarian
gastrin-producing, sensitivity to secretin and SMS 201-995, 97:464-cr
and Zollinger-Ellison syndrome, 97: 468-cr
Carrageenan injury to cell monolayers, 97:242-c
Case Reports
Acute airway obstruction in achalasia, possible role of defective belch reflex, 97:1323
Collagenous gastritis, 97:1552
Dietary modification of chyle composition in chylothorax, 97:761
Gastric small lymphocytic proliferation with immunoglobulin gene rearrangement in pseudolymphoma versus lymphoma, 97:195
Gastrin-producing ovarian cystadenocarcinoma: sensitivity to secretin and SMS 201-995, 97:464
Gastrointestinal bleeding due to pancreatic Schwannoma complicating von Recklinghausen's disease, 97: 1550
Gastrointestinal duplications causing relapsing pancreatitis in children, 97:1556
Healing of severe perineal and cutaneous Crohn's disease with hyperbaric oxygen, 97:756
Hepatic peroxisomal abnormalities in abetalipoproteinemia, 97:766
High plasma pancreastatinlike immunoreactivity in patient with malignant insulinoma, 97:1313
Jaundice as paraneoplastic phenomenon in T-cell lymphoma, 97:1319
Legionella infection of the colon presenting as acute attack of ulcerative colitis, 97:751
Liver transplantation in a patient with protoporphyria, 97:188
Membranous obstruction of inferior vena cava associated with myeloproliferative disorder: clue to membrane formation? 97:1019
Neuroendocrine cell proliferations in gastric antral vascular ectasia, 97: 207
Ovarian carcinoma as cause of Zollinger-Ellison syndrome. Natural history, secretory products, and response to provocative tests, 97: 468
Pancreatic duct-portal vein fistula, 97: 1025
Postbulbar duodenal ulcer in patient with pentagastrin-fast achlorhydria, 97:771
Rapidly progressive non-A, non-B hepatitis in patients with human immunodeficiency virus infection, 97:1559
Removal of common bile duct stones by combination of percutaneous balloon dilatation and extracorporeal shock-wave lithotripsy, 97:202
Resolution of intestinal cryptosporidiosis after treatment of AIDS with AZT, 97:1327
Steatohepatitis associated with limb lipodystrophy, 97:1022-cr
Suppurative pylethrombosis: a changing clinical picture, 97:1028
Celiac disease
genetically determined immunoallergic disease, 97:231-ss
humoral immunity and intraepithelial lymphocytes, 97:1562
intestinal epithelial lymphocyte and mucosal responses to gluten challenge, 97:29
Kerckring duodenal folds, 97:1064-c
mortality in, 97:265
Cell lineage markers in colon cancer, 97: 392

Chemotaxis, leukocyte to bile, after liver transplantation, 97:433
Chest pain, microvascular angina of esophagus, 97:226-ss
Cholangitis, primary sclerosing, complement activation, 97:1430
Cholecystectomy
and bile acid kinetics, 97:1593-ss
and bile duct diameter changes, 97:1485
Cholecystitis
arachidonic acid metabolites in, 97:781
silent gallstones, 97:1591-ss
Cholecystokinin
and gallbladder emptying, 97:1331
glycine-extended processing intermediates, 97:1159
in human Brunner's glands, 97:1382
and pancreatobiliary response to intragastric amino acid meal, 97:1544
Cholera
clonidine hydrochloride as antisecretory agent, 97:321
toxin, and *Clostridium difficile* toxin A, in ileum (rabbit), 97:1186
Cholestasis
benign recurrent intrahepatic, bile acid metabolism, 97:427
jaundice, in T-cell lymphoma, 97:1319-cr
Cholesterol
dietary, and phosphatidylcholines and phosphatidylethanolamines in bile and gallbladder mucosa (prairie dog), 97:1261
and gallbladder disease in Mexican Americans, 97:1527
high-density lipoprotein, exercise and physical fitness effects, 97:1389
nucleation time in gallbladder bile, effect of ursodeoxycholic acid, 97:173
stones, and gallbladder contraction, 97:1472
Cholesterol 7α-hydroxylase, hepatic microsomal, in bile acid synthesis, 97:1498
Choline deficiency in cirrhosis, 97:1514
Chromogranin development, in gastrointestinal endocrine cells, 97:48
Chylothorax, dietary modification of chyle, 97:761-cr
Cimetidine
and alcohol absorption, 97:1066-c
and somatostatinlike immunoreactivity after mixed meal, 97:867
Circulation, blood volume in cirrhosis, 97:1506
Cirrhosis
central blood volume, 97:1506
choline deficiency, 97:1514
liver
and ascites, with and without renal failure, hemodynamics in, 97:1304
secretin effects on bile formation (rat), 97:950
nonalcoholic, mitochondrial aspartate aminotransferase, 97:240-c
primary biliary, ursodeoxycholic acid in, 97:1268
in sporadic chronic non-A, non-B hepatitis, 97:1342-ss
water excretion, and hydroosmotic effect of vasopressin (rat), 97:1294
Cisplatin and ethiodized oil, intraarterial infusion of, in hepatocellular carcinoma, 97:965
Classified Ads, 97:252, 559, 814, 1073, 1359, 1603
Clinical Studies
acid secretion and pain in ulcer and nonulcer dyspepsia, 97:376
alcohol and aldehyde dehydrogenases, in liver disease, 97:708
anatomic, motor, and clinical assessment of vertical banded gastroplasty, 97:91
arbaprostil in single nighttime dose, in duodenal ulcer, 97:98
ascorbic acid in stomach, 97:357
bile acid metabolism in benign recurrent intrahepatic cholestasis, 97:427
bile duct diameter changes after cholecystectomy, 97:1485
cell lineage markers in colon cancer, 97:392
central blood volume in cirrhosis, 97:1506
cerebral responses to electrical stimulation of esophagus, 97:475
choline deficiency in cirrhosis, 97:1514
cigarettes and alcohol as risk factors for colonic adenomas, 97:660
clonidine hydrochloride as antisecretory agent in cholera, 97:321
colonic *N*-acetylation of 5-aminosalicylic acid in inflammatory bowel disease, 97:38
complement activation in primary sclerosing cholangitis, 97:1430
computed tomography of liver iron overload, 97:737
corticosteroid-treated hepatitis B surface antigen-negative chronic active hepatitis in postmenopausal women, 97:1288
cyclical unipolar depression effects on upper gastrointestinal motility and sleep, 97:775
diarrhea in AIDS, acute enteric viral pathogens, 97:1031
diet and gallbladder disease in Mexican Americans, 97:1527
disease recurrence after liver transplantation for biliary cirrhosis, 97:715
diuresis vs. therapeutic paracentesis, effects on ascitic fluid opsonic activity and serum complement, 97:158
electrical activity of abdominal surface after gastrectomy or colectomy, 97:313
endoscopic laser treatment for rectosigmoid villous adenoma, 97:272
enteroclysis in small intestinal bleeding, 97:58
exercise and physical fitness effects on large intestinal function, 97:1389
exocrine pancreatic function after gastrectomy, 97:147
extracorporeal shock-wave lithotripsy and methyl *tert*-butyl ether for partially calcified gallstones, 97:1229
famotidine suppression of nocturnal acid secretion, and gastric ulcer healing, 97:860
flow cytometry of dysplasia in Barrett's esophagus, 97:815
flumazenil in hepatic encephalopathy, 97:744
folate supplementation, and dysplasia and cancer in chronic ulcerative colitis, 97:255
galanin effect on postprandial gastrointestinal motility and gut hormone release, 97:260
gallbladder contraction with pigment and cholesterol stones, 97:1479
gallstone recurrence after oral bile acid treatment, 97:726
gallstones after lithotripsy and bile acid dissolution, 97:457
gastric acid and somatostatinlike immunoreactivity after mixed meal, 97:867
gastric origin of first-pass metabolism of ethanol, effect of gastrectomy, 97:1205
gastrin, endocrine cells, histamine, and histidine decarboxylase in atrophic gastritis, 97:586
gastroesophageal reflux clearance in sleeping and awake infants, 97:821
gastroesophageal reflux in infants, role of dietary caloric density and osmolality, 97:601
gastrointestinal injury from ingestion of corrosive acids, 97:702
geographic origin of Jewish patients with inflammatory bowel disease, 97:900
Hemoccult screening test for colorectal cancers, 97:597
hemodynamics in liver cirrhosis and ascites with and without renal failure, 97:1304
hepatic hemangioma and focal nodular hyperplasia, 97:154
hepatitis B virus X gene protein and antibody, in type B chronic liver disease, 97:990
hepatocellular carcinoma with and without carcinoma, 97:136, 140
HLA A1, B8, DR3 extended haplotypes in chronic autoimmune hepatitis, 97:479
HLA-linked hemochromatosis alleles in porphyria cutanea tarda, 97:972

indicators of prognosis in fulminant hepatic failure, 97:439
internal anal sphincter, in idiopathic fecal incontinence, 97:130
intestinal epithelial lymphocyte and mucosal responses to gluten challenge in celiac sprue, 97:29
intestinal immune reactivity to interleukin 2 in Crohn's disease and ulcerative colitis, 97:1
intestinal permeability in Crohn's disease patients and relatives, 97:927
lactose absorption, measurement of urinary galactose, 97:895
leukocyte chemotaxis to bile after liver transplantation, 97:433
loxiglumide effects on gallbladder emptying, 97:1331
manometry of balloon distention in nonobstructive dysphagia, 97:1181
microbleeding and ultrathin endoscopy, famotidine protection of gastric mucosa, 97:944
mortality in celiac disease, 97:265
neutrophil receptors for formyl-methionyl-leucyl-phenylalanine in Crohn's disease, 97:20
nocturnal supplemental nasogastric feedings in growth-retarded adolescents with Crohn's disease, 97:905
omeprazole in Zollinger-Ellison syndrome, 97:827
oral contraceptive use and Crohn's disease, 97:1442
parenteral nutrition with branched-chain amino acids in hepatic encephalopathy, 97:1033
phospholipase A_2 in acute pancreatitis, 97:1521
psychological and physiological characteristics in severe idiopathic constipation, 97:932
pyloric motor response to intraduodenal dextrose, 97:83
Roux-en-Y biliary diversion and *Campylobacter pylori*, 97:958
shock-wave therapy of gastric outlet syndrome caused by gallstone, 97:472
short-chain fatty acids in bowel contents after intestinal surgery, 97:1090
SMS 201-995 effects in peptic ulcer bleeding, 97:568
somatostatin effect on amino acid uptake by pancreas, 97:732
spleno-adreno-renal shunts after endoscopic sclerotherapy, 97:421
spontaneous rupture of nonparasitic cyst of liver, 97:213
ultrasonic Doppler studies of hepatocellular carcinoma, 97:1489
ultrasonography in acute appendicitis, 97:630
upper esophageal sphincter during swallowing, 97:1469
ursodeoxycholic acid in primary biliary cirrhosis, 97:1268

Clonidine hydrochloride, as antisecretory agent in cholera, 97:321
Clostridium difficile A toxin, comparison with cholera toxin in ileum (rabbit), 97:1186
Coagulation, monocyte/macrophage activity, thrombogenicity of total parenteral nutrition solutions, 97:1210
Cobalamin binding proteins, immunohistochemical survey, 97:1171
Cold, and aspirin-induced gastric lesions (rat), 97:1147
Colectomy, electrical activity of abdominal surface after, 97:313
Colitis
inflammatory mediators (rat), 97:326
prostaglandin E_2 effects, 97:1356-c
ulcerative. *See* Ulcerative colitis.
Collagen, in gastritis, 97:1552-cr
Colon
adenomas, cigarettes and alcohol as risk factors, 97:660
cancer, and calcium, 97:804-ss
development, structural and enzymatic changes (rat), 97:338
eicosanoid regulation by interleukin-1 (rabbit), 97:1400
epithelium, 4F2 antigen, common acute lymphoblastic leukemia antigen, and transferrin receptor, 97:1435
Legionella infection, presenting as ulcerative colitis, 97:751-cr
mucosa
epithelial restitution (human, rabbit), 97:685
premalignant and malignant, cell lineage markers, 97:392
N-acetylation of 5-aminosalicylic acid in inflammatory bowel disease, 97:38
transit, in idiopathic constipation, 97:932
Colonocytes, metabolism of glucose, glutamine, *n*-butyrate, and β-hydroxybutyrate in malnutrition (rat), 97:622
Colorectal cancer
Causation and Prevention of Colorectal Cancer, 97:807-br
Hemoccult screening test, 97:597
liver metastases, imaging techniques, 97:1589-ss
Complement
activation in primary sclerosing cholangitis, 97:1430
diuresis vs. therapeutic paracentesis effects, 97:158
in submucosal blood vessels in inflammatory bowel disease, 97:10
Computed tomography
colorectal liver metastases, 97:1589-ss
hepatic hemangioma and focal nodular hyperplasia, 97:154
in liver iron overload, 97:737
Modern Imaging of the Liver: Applications of Computerized Tomography, Ultrasound, Nuclear Medicine, and Magnet Resonance Imaging, 97:1347-br
spontaneous rupture of nonparasitic cyst of liver, 97:213
suppurative pylethrombosis, 97:1028-cr
Constipation, idiopathic, psychological and physiological characteristics of patients, 97:932
Contraceptives, oral, and Crohn's disease, 97:1442
Contractions, peristaltic and nonperistaltic, in esophagus, electrical correlates of (opossum), 97:665
Corrections, 97:813, 1072, 1602
Correspondence
Aerobic exercise and mouth-to-cecum transit time, 97:1063
Cimetidine and alcohol absorption, 97:1066
Corticotropin-releasing factor and stress-induced gastrointestinal alterations, 97:240
Diagnosis of sphincter of Oddi dysfunction, 97:241
Dietary fat intake, 72-hour excretion, and Sudan stain for fecal fat, 97:550
Dysplasia and adenocarcinoma in Barrett's esophagus, 97:1064
Dysplasia in ulcerative colitis: aneuploidy versus morphology, 97:243
Effect of FOY-305 (Camostate) on severe acute pancreatitis in two experimental animal models, 97:1600
Effect of prostaglandin E_2 in experimental colitis, 97:1356
Embolotherapy for severe iatrogenic hepatic injury, 97:1065
Ethanol-induced intestinal mucosal injury, 97:241
Extrapancreatic lipases, 97:551
Fecal lipid excretion in pancreatic insufficiency, 97:248
Fine needle liver biopsy of hepatocellular carcinoma: is sampling simple? 97:247
Formyl-methionyl-leucyl-phenylalanine-induced intestinal inflammation, 97:811
Hepatic epithelioid hemangioendothelioma in primary biliary cirrhosis, 97:810
Hepatic injury related to enalapril, 97:810
Immunoproliferative small bowel disease, 97:556
Kerckring duodenal folds in celiac disease, 97:1064
The manpower position: is the expense too immense to make sense? 97:245
Mechanisms of carrageenan injury of cell monolayers, 97:242

Correspondence (cont'd)
Mitochondrial aspartate aminotransferase in nonalcoholic cirrhosis, 97:240
MK-329 has no direct effect on the pancreas, 97:553
Mycobacteria as the cause of Crohn's disease, 97:1354
Old insight into a new insight into an old test, 97:552
Posttransfusion hepatitis in Buenos Aires, Argentina, 97:246
Presence of HBV DNA and HBeAg in serum of an anti-HBs-positive individual, 97:1068
Prostaglandins in the mediation of secretin-induced inhibition of gastric secretion and stimulation of pancreatic secretion, 97:554
Radiology and endoscopy complementary in early gastric cancer, 97:1353
Release of gastrin by secretin, 97:1354
Serum immunoglobulin G antibody levels for *Campylobacter pylori* diagnosis, 97:1069
Technetium 99m phagocyte scanning in inflammatory bowel disease, 97:249
The D-xylose test in pediatrics: is it useful? 97:246
Corticosteroids, for hepatitis B surface antigen-negative chronic active hepatitis, in postmenopausal women, 97:1288
Corticotropin-releasing factor, and stress-induced gastrointestinal alterations, 97:240-c
Crohn's disease
antigen nonspecific seroreactivity, lymph nodes of primed nude mice, 97:1097
growth-retarded adolescents, home nocturnal supplemental nasogastric feedings, 97:905
intestinal immune reactivity to interleukin 2, 97:1, 222-e
mycobacteria as cause, 97:1354-c
neutrophil receptors for formyl-methionyl-leucyl-phenylalanine, 97:20
and oral contraceptive use, 97:1442
patients and healthy relatives, intestinal permeability, 97:927
perineal and cutaneous, healing with hyperbaric oxygen, 97:756-cr
Cyclosporine, and disease recurrence after liver transplantation for biliary cirrhosis, 97:715
Cytochrome P450 isozymes, hepatic, rat not human interferon effects (rat), 97:999
Cytoplasm, Raf-1 proteins, signal transduction, 97:800-ss
Cytoprotection
adaptive, sialoadenectomy effects (rat), 97:123
banana effects on gastric mucosa (rat), 97:294
esophageal, role of arachidonic acid metabolites (rabbit), 97:278
glutathione inhibition of stress-induced gastric injury (rat), 97:853
and NSAID small bowel injury, 97:1344-ss

Depression, cyclical unipolar, and upper gastrointestinal motility and sleep, 97:775
Development
of chromogranin, hormonal peptides, and 5-hydroxytryptamine in gastrointestinal endocrine cells, 97:48
structural and enzymatic changes in colon (rat), 97:339
Dextrose
intraduodenal, pyloric motor response to, 97:83
intragastric, pancreatobiliary response, 97:1544
Diabetes, streptozotocin, intestinal mucin and goblet cells (rat), 97:68
Diamine oxidase, in human colon carcinoma cell line CaCo-2, 97:888
Diarrhea
in AIDS, acute enteric viral pathogens, 97:1031
in cholera, clonidine effects, 97:321
2′,3′-Dideoxycytidine, hepatitis B virus inhibition by (duck), 97:1275
Diet
caloric density and osmolality, and gastroesophageal reflux in infants, 97:601
chyle modification in chylothorax, 97:761-cr
and gallbladder disease in Mexican Americans, 97:1527
Diuresis vs. therapeutic paracentesis, ascitic fluid opsonic activity and serum complement, 97:158
DNA
hepatitis B virus, inhibition by 2′,3′-dideoxycytidine (duck), 97:1275
in hepatocarcinogenesis, aflatoxin B_1 formamidopyrimidine adducts, 97:1281
Dosage, arbaprostil, in duodenal ulcer, 97:98
Dumping syndrome after gastrectomy, somatostatin treatment, 97:1344-ss
Duodenum
electrical conductance, combined effects of bicarbonate and prostaglandin E_2, 97:1448
iron proteins in hemochromatosis, 97:798-ss
Kerckring folds, in celiac disease, 97:1064-c
mucosa
alkaline microenvironment and restitution of (rabbit), 97:112
brain peptide stimulation of bicarbonate secretion (rat), 97:412
peptidergic structures in human Brunner's glands, 97:1382
pyloric motor response to intraduodenal dextrose, 97:83
Dyspepsia
ascorbic acid in stomach, 97:357
nonulcer, acid secretion and pain, 97:376
Dysphagia, nonobstructive, manometry of balloon distention, 97:1181
Dysplasia
and adenocarcinoma in Barrett's esophagus, 97:1064-c
in Barrett's esophagus, flow cytometry of, 97:815
rectosigmoid villous adenoma, endoscopic laser treatment, 97:272
in ulcerative colitis, effects of folate supplementation, 97:255, 502-e

Editorials
Animal research and the practicing gastroenterologist, 97:1585
Federal support for digestive diseases research, 97:504
Folate, dysplasia, and cancer, 97:502
Inhibition of hydrogen-potassium-stimulated adenosine triphosphatase: effects on acid secretion, plasma gastrin, and the gastric mucosa, 97:1045
Lymphokine-activated killer-cell cytotoxicity in intestinal immune system, 97:222
Meta-analysis of branched-chain amino acids in hepatic encephalopathy, 97:1043
Nutrition in liver failure, 97:1049
Pharmacotherapy of bleeding peptic ulcer—is it time to give up the search? 97:796
Why does the gastric oxyntic gland mucosa contain gastrin-releasing peptide nerve fibers? 97:793
Education, training programs, 97:518
Eicosanoids in colon, interleukin-1 effects (rabbit), 97:1400
Electroencephalograms, in hepatic encephalopathy, flumazenil effects, 97:744
Electrolytes in cholera, clonidine effects, 97:321
Electrophysiology
abdominal surface after gastrectomy or colectomy, 97:313
cerebral responses to electrical stimulation of esophagus, 97:475
duodenal mucosa, combined effects of prostaglandin E_2 and bicarbonate, 97:1448
and esophageal peristalsis (opossum), 97:665
peptide histidine isoleucine and relaxation of lower esophageal sphincter (cat), 97:1083
Embolization, transcatheter arterial, with intraarterial infusion of cisplatin/

ethiodized oil, in hepatocellular carcinoma, 97:965
Enalapril, hepatic injury from, 97:810-c
Encephalopathy, hepatic
flumazenil effects, 97:744
parenteral nutrition with branched-chain amino acids, 97:1033, 1043-e, 1049-e
Endocrine cells, in atrophic gastritis, 97:586
Endoscopy
for gallstone pancreatitis, 97:1592-ss
gastrointestinal injury from ingestion of corrosive acids, 97:702
laser treatment for rectosigmoid villous adenoma, 97:272
pancreatic duct-portal vein fistula, 97:1025-cr
and radiology, in early gastric cancer, 97:1353-c
sclerotherapy, spleno-adreno-renal shunt development, 97:421
surface hydrophobicity of gastrointestinal mucosa, 97:104
ultrathin, and microbleeding, famotidine protection of gastric mucosa, 97:944
Endothelial cells, aortic, procoagulant activity, thrombogenicity of TNP solutions, 97:1220
Enprostil, and trophic effects on gastric mucosa induced by BY 831-78 (rat), 97:846
Enteroclysis in small intestinal bleeding, 97:58
Enterocytes, sodium and hydrogen exchange (hamster), 97:882
Environment, *Carcinogen Risk Assessment: New Directions in the Qualitative and Quantitative Aspects*, 97:238-br
Enzymes
alcohol and aldehyde dehydrogenases, in liver disease, 97:708
cholesterol 7α-hydroxylase, hepatic microsomal, in bile acid synthesis, 97:1498
Eco RV, T-cell receptor α-chain, and ulcerative colitis, 97:1115
extrapancreatic lipases, 97:551-c
free radical scavenging, in liver, effects of iron loading (rat), 97:1011
histidine decarboxylase, in atrophic gastritis, 97:586
lactase, alkaline phosphatase, and Na,K-ATPase, during colonic maturation (rat), 97:338
lipoxygenase metabolites in gastric microvascular response to ethanol (rat), 97:304
mitochondrial aspartate aminotransferase in nonalcoholic cirrhosis, 97:240-c
ornithine decarboxylase and diamine oxidase in human colon carcinoma cell line CaCo-2, 97:888
phospholipase A_2, in acute pancreatitis, 97:1521
Epinephrine, injection therapy for nonvariceal bleeding (dog), 97:610
Epithelial cells
bile duct, of normal liver (rat), 97:1236
biliary, in nonparenchymal liver cell fraction (rat), 97:1248
colonic, 4F2 antigen, common acute lymphoblastic leukemia antigen, and transferrin receptor, 97:1435
gastrointestinal, receptors for antigens, 97:1341-ss
immune sensitization to components of, model of ulcerative colitis (tamarin), 97:1075
intestinal, and transforming growth factors, 97:1587-ss
restitution of colonic mucosa (human, rabbit), 97:685
and *Salmonella* bacterial adherence and penetration of mucosal cells, 97:1055-ss
Esophagus
acid-pepsin injury, arachidonic acid metabolites in (rabbit), 97:278
alkaline secretion (opossum, rabbit), 97:640
balloon distention in nonobstructive dysphagia, manometry of, 97:1181
Barrett's
dysplasia and adenocarcinoma, 97:1064-c
flow cytometry of dysplasia, 97:815
cerebral responses to electrical stimulation of, 97:475
electrical correlates of peristalsis (opossum), 97:665
lower sphincter, peptide histidine isoleucine role in relaxation of (cat), 97:1083
microvascular angina, 97:226-ss
upper sphincter, opening and modulation during swallowing, 97:1469
varices, spleno-adreno-renal shunt after endoscopic sclerotherapy, 97:421
vascular responses to vasodilators (dog), 97:42
Ethanol
first-pass metabolism, gastrectomy effects, 97:1205
gastric microsvascular response, lipoxygenase metabolites (rat), 97:304
injection therapy for nonvariceal bleeding (dog), 97:610
intestinal mucosal injury, 97:241-c
metabolism and toxicity, aging effects (rat), 97:446
Ethics
Ethics in America—Source Reader and Study Guide, 97:1598-br
Ethics in America—Study Guide, 97:1598-br
Ethnic differences, gallbladder disease in Mexican Americans, role of diet, 97:1527
Etiology and prognosis in fulminant hepatic failure, 97:439
Exercise
aerobic, and mouth-to-cecum transit time, 97:1063-c
and large intestinal function, 97:1389

Famotidine
gastric mucosal effects, microbleeding and ultrathin endoscopy, 97:944
nocturnal acid secretion and gastric ulcer healing, 97:860
Fasting, and G_2-arrested liver and pancreatic cells (rat), 97:219
Fat, dietary intake, excretion, and Sudan stain for, 97:550-c, 552-c
Fat-storing cells, liver, apolipoprotein synthesis, comparison with hepatocytes (rat), 97:163
Fatty acids, short-chain, in bowel contents after intestinal surgery, 97:1090
Feces
fat, Sudan stain for, 97:550-c, 552-c
incontinence, idiopathic, impaired internal anal sphincter, 97:130
lipid excretion in pancreatic insufficiency, 97:248-c
short-chain fatty acids, after intestinal surgery, 97:1090
Feeding, and intestinal mucosal injury induced by ischemia and reperfusion (pig), 97:920
Fever, suppurative pylethrombosis, 97:1028-cr
Fistulas, pancreatic duct-portal vein, 97:1025-cr
Flow cytometry, dysplasia in Barrett's esophagus, 97:815
Flumazenil, in hepatic encephalopathy, 97:744
Flushing, idiopathic, and carcinoid syndrome, 97:234-ss
Folate supplementation, and dysplasia and cancer in chronic ulcerative colitis, 97:255, 502-e
Formyl-methionyl-leucyl-phenylalanine analog, and intestinal mucosal barrier (rat), 97:61
ileitis
and neutrophil-derived oxidants (rat), 97:778
neutrophilic proteases in (rat), 97:605
intestinal inflammation, 97:811-c
neutrophil receptors, in Crohn's disease, 97:20
FOY-305, for severe acute pancreatitis, 97:1600-c
Friedenwald Medal presentation, to Marvin H. Sleisenger, 97:1368

Galactose, urinary, measurement of lactose absorption, 97:895
Galanin, and postprandial gastrointestinal motility and gut hormone release, 97:260

Gallbladder
contraction, and pigment and cholesterol stones, 97:1479
dietary cholesterol effects on phospholipids (prairie dog), 97:1261
disease in Mexican Americans, role of diet, 97:1527
emptying, loxiglumide effects, 97:1331
mucin, subunit interactions and physical properties (cow), 97:179
ursodeoxycholic acid effect on nucleation time in bile, 97:173
Gallstones
abdominal symptoms, 97:1591-ss
after extracorporeal lithotripsy and oral bile acid dissolution, 97:457
and gastric outlet syndrome, shock-wave therapy, 97:472
methyl *tert*-butyl ether dissolution of, 97:1057-ss
in pancreatitis, endoscopy for, 97:1592-ss
partially calcified, extracorporeal shock-wave lithotripsy and methyl *tert*-butyl ether for, 97:1229
recurrence after oral bile acid treatment, 97:726
and weight loss, 97:799-ss
Gastrectomy
dumping syndrome, somatostatin treatment, 97:1344-ss
electrical activity of abdominal surface, 97:313
and ethanol metabolism in humans, 97:1205
and exocrine pancreatic function, 97:147
Gastric emptying
galanin effects, 97:260
stress effects (dog), 97:1101
neurohumoral pathways (rat), 97:216
Gastric outlet syndrome, shock-wave therapy of impacted gallstone, 97:472
Gastrin
circulating, in atrophic gastritis, 97:586
from ovarian cystadenocarcinoma, sensitivity to secretin and SMS 201-995, 97:464-cr
glycine-extended processing intermediates, 97:1159
mediator of gastric phase of acid secretion (dog), 97:1406
postprandial release, effect of omeprazole suppression of acid secretion (dog), 97:837, 1045-e
secretin effects, 97:1354-c
stress-induced changes (dog), 97:1101
Gastrin releasing peptide
in human Brunner's glands, 97:1382
nerve fibers in gastric oxyntic gland mucosa, 97:793-e
Gastritis
atrophic, circulating gastrin, endocrine cells, histamine, and histidine decarboxylase in, 97:586
autoimmune, parietal cell autoantigens (mouse), 97:364
collagenous, 97:1552-cr
Gastroenterology
Clinical Gastroenterology, 97:1596-br
Difficult Decisions in Digestive Diseases, 97:236-br
digestive diseases research funds and investigators supported by NIH, 97:482, 504-e
Doctors Only—The Evolving Image of the American Physician, 97:1597-br
Essays on the Rise and the Decline of Bedside Medicine, 97:515-br
The Gastroenterology Assistant. A Laboratory Manual, 97:1061-br
Getting Into Practice, 97:1061-br
A Practical Approach to Pediatric Gastroenterology, 97:237-br
training costs, 97:245-c
training programs, 97:518
Yearbook of Digestive Diseases—1988, 97:517-br
Gastroesophageal reflux
clearance of, in awake and sleeping infants, 97:821
Gastroesophageal Reflux, 97:807-br
in infants, dietary caloric density and osmolality, 97:601
Gastrointestinal tract
Atlas of Gastrointestinal Pathology, 97:239-br
Balliere's Clinical Gastroenterology. International Practice and Research. Adverse Drug Reactions in the Differential Diagnosis of GI and Liver Diseases, 97:1348-br
bleeding due to pancreatic Schwannoma complicating von Recklinghausen's disease, 97:1550-cr
Common Problems in Gastrointestinal Surgery, 97:1350-br
duplications causing relapsing pancreatitis in children, 97:1556-cr
endocrine cells, development of chromogranin, hormonal peptides, and 5-hydroxytryptamine, 97:48
epithelial cells, receptors for antigens, 97:1341-ss
Gastrointestinal Disease: Pathophysiology, Diagnosis, Management, 97:236-br
hormones, stress-induced changes (dog), 97:1101
humoral immunity and intraepithelial lymphocytes, 97:1562
ingestion of corrosive acids, 97:702
motility, and cyclical unipolar depression, 97:775
mucosa
mast cell/nerve associations, 97:575
surface hydrophobicity, 97:104
sigma opioid receptors (guinea pig), 97:76
stress-induced changes in transit, neurohumoral pathways (rat), 97:216
Gastroplasty, vertical banded, anatomic, motor, and clinical assessment, 97:91
Genetics
celiac disease as immunoallergic disease, 97:231-ss
geographic origin of Jewish patients with inflammatory bowel disease, 97:900
HLA A1, B8, DR3 extended haplotypes, in autoimmune chronic hepatitis, 97:479
HLA-linked hemochromatosis alleles in porphyria cutanea tarda, 97:972
Geographic origin of Jewish patients with inflammatory bowel disease, 97:900
Globotriaosylceramide, intestinal glycolipid receptor for Shiga toxin (rabbit), 97:384
Glucocorticoids, and pancreatic kallikrein gene expression (rat), 97:1005
Glucose, colonocyte metabolism of, in malnutrition (rat), 97:622
Glutamine, colonocyte metabolism of, in malnutrition (rat), 97:622
Glutathione, and stress-induced gastric injury (rat), 97:853
Gluten challenge, rectal, in celiac sprue, responses of intestinal epithelial lymphocytes and mucosa, 97:29
Glycine, extended processing intermediates, of gastrin and cholecystokinin, 97:1159
Glycolipids, intestinal receptor for Shiga toxin (rabbit), 97:384
Goblet cells, intestinal, in diabetes (rat), 97:68
Growth, retardation in adolescents with Crohn's disease, home nocturnal supplemental nasogastric feedings, 97:905
Growth factors, transforming, and intestinal epithelia, 97:1587-ss
G_2 arrest, fasting effects on liver and pancreatic cells (rat), 97:219

Haloperidol, and central neurotensin inhibition of gastric acid secretion (rat), 97:1130
Hemangioendothelioma, hepatic epithelioid, in primary biliary cirrhosis, 97:810-c
Hemangioma
Doppler ultrasound studies, 97:1489
hepatic, and focal nodular hyperplasia, 97:154
Hemoccult test, screening for colorectal cancer, sensitivity, specificity, and positive predictivity of, 97:597
Hemochromatosis
gut proteins, 97:798-ss
HLA-linked alleles, in porphyria cutanea tarda, 97:972
idiopathic, computed tomography of liver iron overload, 97:737

Hemodynamics
central blood volume in cirrhosis, 97:1506
in liver cirrhosis and ascites, and functional renal failure, 97:1304
Hemorrhage
peptic ulcer, microwave energy in, 97:676
See also Bleeding.
Hemostasis
in liver transplantation, 97:488
microwave energy in peptic ulcer hemorrhage, comparison with heater probe and BICAP (dog), 97:676
Heparin, in liver transplantation, 97:488
Hepatitis
alcoholic, tumor necrosis factor, 97:1056-ss
autoimmune
chronic, anti-endoplasmic reticulum antibody, 97:506-ss
HLA A1, B8, DR3 extended haplotypes, 97:479
B virus
2′,3′-dideoxycytidine inhibition of (duck) 97:1275
DNA and HBeAg in serum of anti-HBs-positive individual, 97:1068-c
surface antigen-negative chronic active hepatitis, corticosteroid treatment in postmenopausal women, 97:1288
vaccine, without hepatitis B immune globulin, 97:1588-ss
X gene protein and antibody, in type B chronic liver disease, 97:990
chronic non-A, non-B, sporadic, after transfusions or self-injections, 97:1342-ss
Classic Papers in Viral Hepatitis, 97:517-br
delta virus, replication of, 97:507-ss
Modern Concepts of Acute and Chronic Hepatitis, 97:807-br
non-A, non-B
in AIDS, 97:1559
cDNA clone, 97:1052-ss
posttransfusion, 97:246-c
Hepatocellular carcinoma, transcatheter arterial embolization with intraarterial infusion of cisplatin and ethiodized oil, 97:965
Hirschsprung's disease, matrix and migration, 97:513-ss
Histamine, in atrophic gastritis, 97:586
Histidine decarboxylase, in atrophic gastritis, 97:586
Histology
disease recurrence after liver transplantation for biliary cirrhosis, 97:715
Roux-en-Y biliary diversion effects on *Campylobacter pylori*, 97:958
sporadic chronic non-A, non-B viral hepatitis, 97:1342-ss
Sudan stain for fecal fat, 97:550-c, 552-c
HLA hemochromatosis alleles, in porphyria cutanea tarda, 97:972
Hormones, gastrointestinal
galanin effects, 97:260
stress-induced changes (dog), 97:1101
Human immunodeficiency virus infection. *See* AIDS.
Hydrogen and sodium exchange in enterocytes (hamster), 97:882
Hydrophobicity, surface, of human gastrointestinal mucosa, 97:104
β-Hydroxybutyrate, colonocyte metabolism of in malnutrition (rat), 97:622
5-Hydroxytryptamine development, in gastrointestinal endocrine cells, 97:48
Hypertension, portal
gastric blood flow (rat), 97:1108
Vasopressin Analogs and Portal Hypertension, 97:1598-br
Hyperthyroidism, intestinal motor activity (dog), 97:911
Hypothalamus, and pancreatic exocrine secretion (dog), 97:1534
Hypoxia, misonidazole binding in liver as marker for (mouse), 97:1300

Ileitis, formyl-methionyl-leucyl-phenylalanine-induced, and neutrophilic proteases (rat), 97:605
Immune complexes, complement activation in primary sclerosing cholangitis, 97:1430
Immune response
epithelial cell-associated components, model of ulcerative colitis (tamarin), 97:1075
intestinal, to interleukin 2, in Crohn's disease and ulcerative colitis, 97:1, 222-e
Immunocytochemistry
Brunner's glands, peptidergic structures, 97:1382
myosin localization in phalloidin-treated hepatocytes (rat), 97:982
Immunofluorescence
immune sensitization to epithelial cell-associated components (tamarin), 97:1075
Legionella infection of colon in ulcerative colitis, 97:751-cr
seroreactivity of patients with Crohn's disease with lymph nodes of primed nude mice, 97:1097
Immunoglobulin G (IgG) antibody, *Campylobacter pylori* diagnosis, 97:1069-c
Immunoglobulins
gene rearrangement, gastric lymphocytic proliferation in pseudolymphoma vs. lymphoma, 97:195-cr
secretory, and intraepithelial lymphocytes, 97:1562
Immunohistochemistry
cell lineage markers in colon cancer, 97:392
of cobalamin-binding proteins, 97:1171
complement activation in submucosal blood vessels in inflammatory bowel disease, 97:10
intestinal mucin and goblet cells in diabetes (rat), 97:68
mast cell/nerve associations in gastrointestinal mucosa, 97:575
parietal cell autoantigens in autoimmune gastritis (mouse), 97:364
Immunology
gastrointestinal intraepithelial lymphocytes and humoral immunity, 97:1562
intestinal interactions with CNS, 97:228-ss
nonspecific seroreactivity of patients with Crohn's disease, lymph nodes of primed nude mice, 97:1097
Indomethacin, gastric mucosal lesions induced by, adrenalectomy effects (rat), 97:284
Infants and children
awake and sleeping, gastroesophageal reflux clearance, 97:821
Clinical Nutrition in Paediatric Disorders, 97:516-br
Frontiers of Gastrointestinal Research. Volumes 15 and 16. Newer Tests and Procedures in Pediatric Gastroenterology, 97:1350-br
gastroesophageal reflux, dietary caloric density and osmolality, 97:601
gastrointestinal duplications causing relapsing pancreatitis, 97:1556-cr
A Practical Approach to Pediatric Gastroenterology, 97:237-br
xylose test use, 97:246-c
Infection, enteric, and jejunal propulsion (guinea pig), 97:1461
Inflammation, in colitis (rat), 97:326
Inflammatory bowel disease
4F2 antigen, common acute lymphoblastic leukemia antigen, and transferrin receptor, 97:1435
colonic N-acetylation of 5-aminosalicylic acid, 97:38
complement activation in submucosal blood vessels, 97:10
geographic origin of Jewish patients, 97:900
humoral immunity and intraepithelial lymphocytes, 97:1562
technetium 99m phagocyte scanning, 97:249-c
Treating IBD: A Patient's Guide to the Medical and Surgical Management of Inflammatory Bowel Disease, 97:1598-br
Injection therapy, for nonvariceal bleeding (dog), 97:610
Insulinoma, malignant, and pancreastatinlike immunoreactivity, 97:1313-cr
Interferons, rat not human, and hepatic oxidative drug metabolism (rat), 97:999

Interleukin-1
and colonic eicosanoids (rabbit), 97:1400
in colonic inflammation (rat), 97:326
Interleukin-2, intestinal immune reactivity in Crohn's disease and ulcerative colitis, 97:1, 222-e
Intestine
absorption, infusate viscosity (rat), 97:938
cryptosporidiosis, resolution after AZT treatment of AIDS, 97:1327-cr
epithelial lymphocyte and mucosal response to rectal gluten challenge in celiac sprue, 97:29
epithelium, and transforming growth factors, 97:1587-ss
ethanol-induced mucosal injury, 97:241-c
formyl-methionyl-leucyl-phenylalanine-induced inflammation, 97:811-c
glycolipid receptor for Shiga toxin (rabbit), 97:384
immune reactivity to interleukin 2 in Crohn's disease and ulcerative colitis, 97:1, 222-e
immune system, interactions with CNS, 97:228-ss
intraepithelial lymphocytes, proliferative responses to T-cell stimuli, 97:1372
large, exercise and physical fitness effects, 97:1389
motility, in hyperthyroidism (dog), 97:911
mucin and goblet cells, in diabetes (rat), 97:68
mucosa
and bacterial chemotactic oligopeptides (rat), 97:61
ischemia and reperfusion injury, role of age and feeding (pig), 97:920
neurotransmitter regulation of peristaltic reflex, 97:1414
PEG 400 permeability (rat), 97:1164
permeability, in Crohn's disease patients and relatives, 97:927
short-chain fatty acids in bowel contents after surgery, 97:1090
small
Clinical Radiology of the Small Intestine, 97:1347-br
enteroclysis in evaluation of bleeding, 97:58
immunoproliferative disease, 97:556-c
microvilli repair after lectin damage (rat), 97:1193
NSAID injury, and cytoprotection, 97:1344-ss
tight junction permeability, 97:802-ss
transection, and migrating motor complex (guinea pig), 97:1135
Intrinsic factor, and cobalamin-binding proteins, immunohistochemical survey, 97:1171
Iron
liver overload, computed tomography of, 97:737
loading, and free radical scavenging enzymes and lipid peroxidation of liver (rat), 97:1011
Ischemia
esophageal, in motility disorders, 97:226-ss
intestine, role of age and feeding (pig), 97:920

Jaundice, as paraneoplastic phenomenon in T-cell lymphoma, 97:1319-cr
Jejunum, propulsion, effects of enteric infection (guinea pig), 97:1461

Kallikrein, pancreatic gene expression, glucocorticoid effects (rat), 97:1005
Kinetics, intestinal permeability of PEG 400 (rat), 97:1164

Lactose absorption, urinary galactose measurement, 97:895
Lactulose, intestinal permeability in Crohn's disease, 97:927
Laser
endoscopy, for rectosigmoid villous adenoma, 97:272
The Role of Laser in Gastroenterology—A Descriptive Analysis of Eight Years Experience, 97:808-br
Lectins of red kidney bean, damage and repair of intestinal microvilli (rat), 97:1193
Legionella pneumophila, colon infection presenting as ulcerative colitis, 97:751-cr
Leukocyte, chemotaxis to bile, after liver transplantation, 97:433
Leukotrienes
C_4 and D_4, and acid production by parietal cells, 97:1420
and gastric mucosal injury by ethanol (rat), 97:304
Linoleic acid, and gallbladder disease in Mexican Americans, 97:1527
Lipases, extrapancreatic, 97:551-c
Lipids
fecal excretion in pancreatic insufficiency, 97:248-c
hepatic peroxisomal abnormalities in abetalipoproteinemia, 97:766-cr
peroxidation, in liver, effects of iron loading (rat), 97:1011
steatohepatitis associated with limb lipodystrophy, 97:1022-cr
and thrombogenicity of total parenteral nutrition solutions, 97:1210
Lipoproteins, apolipoprotein synthesis by liver fat-storing cells (rat), 97:163
Lipoxygenase metabolites, gastric microvascular changes in ethanol injury (rat), 97:304
Literature, *Doctors Only—The Evolving Image of the American Physician*, 97:1597-br
Lithotripsy
Biliary Lithotripsy, 97:237-br
extracorporeal shock-wave
and balloon dilatation, removal of common bile duct stones, 97:202-cr
gallstone disappearance, 97:457
gastric outlet syndrome caused by gallstone, 97:472
and methyl tert-butyl ether for partially calcified gallstones, 97:1229
Liver
apolipoprotein synthesis by fat-storing cells, comparison with hepatocytes (rat), 97:163
arachidonic acid metabolites in physiology and disease of, 97:781
bile duct epithelial cells, normal morphology (rat), 97:1236
Calcium-Dependent Processes in the Liver, 97:516-br
carcinogenesis, aflatoxin B_1 formamidopyrimidine adducts in, 97:1281
cirrhosis, and ascites, with and without renal failure, hemodynamics in, 97:1304
embolotherapy for severe iatrogenic injury, 97:1065-c
enalapril effects, 97:810-c
epithelioid hemangioendothelioma in primary biliary cirrhosis, 97:810-c
and ethanol consumption, aging effects (rat), 97:446
G_2-arrested, fasting effects (rat), 97:219
Guides to Clinical Aspiration Biopsy: Liver and Pancreas, 97:238-br
iron overload, computed tomography of, 97:737
microsomal cholesterol 7α-hydroxylase, bile acid synthesis, 97:1498
misonidazole binding, marker for cellular hypoxia (mouse), 97:1300
Modern Imaging of the Liver: Applications of Computerized Tomography, Ultrasound, Nuclear Medicine, and Magnet Resonance Imaging, 97:1347-br
nonparenchymal cells enriched with biliary epithelial cells (rat), 97:1248
oxidative drug metabolism, effects of rat not human interferons (rat), 97:999
peroxisomal abnormalities in abetalipoproteinemia, 97:766-cr
phalloidin-treated, myosin immunocytochemistry (rat), 97:982
spontaneous rupture of nonparasitic cyst, 97:213
transplantation
hemostasis in, 97:488
leukocyte chemotaxis to bile, 97:433
for primary biliary cirrhosis, disease recurrence after, 97:715
primer for gastroenterologists, 97:805-ss
and protoporphyria, 97:188-cr

Liver disease
Balliere's Clinical Gastroenterology. International Practice and Research. Adverse Drug Reactions in the Differential Diagnosis of GI and Liver Diseases, 97:1348-br
choline deficiency in cirrhosis, 97:1514
cirrhosis, secretin effects on bile formation (rat), 97:950
Diseases of the Liver and Biliary System, 97:1596-br
fine needle liver biopsy of hepatocellular carcinoma, 97:247-c
focal nodular hyperplasia and hepatic hemangioma, 97:154
fulminant hepatic failure, indicators of prognosis, 97:439
and hepatic alcohol and aldehyde dehydrogenases, 97:708
hepatic encephalopathy, parenteral nutrition with branched-chain amino acids, 97:1033, 1043-e, 1049-e
hepatitis B virus X gene protein and antibody, 97:990
hepatocellular carcinoma
with and without cirrhosis, 97:136, 140
ultrasonic Doppler studies, 97:1489
liver encephalopathy, flumazenil effects, 97:744
methotrexate-associated toxicity in rheumatoid arthritis, 97:230-ss
siderosis in porphyria cutanea tarda, HLA-linked hemochromatosis alleles, 97:972
Loxiglumide, and gallbladder emptying, 97:1331
Lymph nodes, of primed nude mice, nonspecific seroreactivity of Crohn's disease, 97:1097
Lymphocytes
gastric, with immunoglobulin gene rearrangement in pseudolymphoma vs. lymphoma, 97:195-cr
intestinal epithelial, response to rectal gluten challenge in celiac sprue, 97:29
intraepithelial, gastrointestinal, and humoral immunity, 97:1562
See also T lymphocytes.
Lymphokine-activated killer cells, cytotoxicity in intestinal immune system, 97:222-e
Lymphokines, *Cancer Therapy, Monoclonal Antibodies, Lymphokines. New Developments in Surgical Oncology and Chemo- and Hormonal Therapy*, 97:1348-br
Lymphoma
vs. pseudolymphoma, gastric small lymphocytic proliferation with immunoglobulin gene rearrangement, 97:195-cr
T-cell, jaundice as paraneoplastic phenomenon, 97:1319-cr
Magnesium, *Magnesium in Clinical Practice*, 97:1059-br
Magnetic resonance imaging (MRI)
colorectal liver metastases, 97:1589-ss
Modern Imaging of the Liver: Applications of Computerized Tomography, Ultrasound, Nuclear Medicine, and Magnet Resonance Imaging, 97:1347-br
Major histocompatibility complex, HLA A1, B8, DR3 extended haplotypes, in autoimmune chronic hepatitis, 97:479
Malnutrition, colonocyte metabolism of glucose, glutamine, *n*-butyrate, and β-hydroxybutyrate (rat), 97:622
Mannitol, intestinal permeability in Crohn's disease, 97:927
Manometry
balloon distention in nonobstructive dysphagia, 97:1181
pyloric motor response to intraduodenal dextrose, 97:83
Mast cells, and nerves in gastrointestinal mucosa, 97:575
Meals, mixed, gastric acid and somatostatinlike immunoreactivity, 97:867
Membrane formation, obstruction of inferior vena cava in myeloproliferative disorder, 97:1019-cr
Meta-analysis, parenteral nutrition with branched-chain amino acids in hepatic encephalopathy, 97:1033, 1043-e
Methodology
clinical
endoscopic biopsy specimens, surface hydrophobicity of gastrointestinal mucosa, 97:104
Frontiers of Gastrointestinal Research. Volumes 15 and 16. Newer Tests and Procedures in Pediatric Gastroenterology, 97:1350-br
Modern Imaging of the Liver: Applications of Computerized Tomography, Ultrasound, Nuclear Medicine, and Magnet Resonance Imaging, 97:1347-br
laboratory
collagenase-pronase digestion, nonparenchymal liver fraction enriched with biliary epithelial cells, 97:1248
enzyme-linked immunosorbent assay, parietal cell autoantigens in autoimmune gastritis (mouse), 97:364
gel permeation chromatography, quasielastic laser light scattering, viscometry, gallbladder mucin subunits (cow), 97:179
immunofluorescence, epithelial cell-associated components (tamarin), 97:1075
Methotrexate, low-dose pulse, hepatotoxicity in rheumatoid arthritis, 97:230-ss
Methyl *tert*-butyl ether
and extracorporeal shock-wave lithotripsy for partially calcified gallstones, 97:1229
gallstone dissolution, 97:1057-ss
Microscopy
electron
colonic maturation (rat), 97:338
gastric mucosal protection by banana (rat), 97:294
repair of intestinal microvilli after lectin damage (rat), 97:1193
electron and light
epithelial restitution of colonic mucosa (human, rabbit), 97:685
mast cell/nerve associations in gastrointestinal mucosa, 97:575
light
alkaline secretion by esophagus (opossum, rabbit), 97:640
inflammatory mediators of colitis (rat), 97:326
liver transplantation and protoporphyria, 97:188-cr
Microsomes, liver, cholesterol 7α-hydroxylase in bile acid synthesis, 97:1498
Microvilli, intestinal, repair after lectin damage (rat), 97:1193
Microwave energy, in peptic ulcer hemorrhage, comparison with heater probe and BICAP (dog), 97:676
Migrating motor complex (MMC)
in hyperthyroidism (dog), 97:911
after myectomy, intestinal transection, and enteric nerve regeneration (guinea pig), 97:1135
Misonidazole binding in liver, marker for cellular hypoxia (mouse), 97:1300
Misoprostol
prevention of NSAID-induced gastric ulcer, 97:1053-ss
small bowel injury and cytoprotection, 97:1344-ss
Mitogens, proliferative responses of human intraepithelial lymphocytes, 97:1372
MK-329, and pancreatic function, 97:553-c
Monocytes and macrophages, procoagulant activity, thrombogenicity of total parenteral nutrition solutions, 97:1210
Morphology
aspirin injury to stomach, prostaglandin effects in vivo and in vitro (dog), 97:649
dysplasia in ulcerative colitis, 97:243-c
Morphometry, alkalinity and restitution of duodenal mucosa (rabbit), 97:112
Mortality
in celiac disease, 97:265
necrotizing pancreatitis, 97:510-ss

Motilin, stress-induced changes (dog), 97:1101
Motility
gastric, adrenalectomy effects (rat), 97:284
intestinal, in hyperthyroidism (dog), 97:911
postprandial
gastrointestinal, galanin effect, 97:260
stress-induced changes (dog), 97:1101
upper gastrointestinal, and cyclical unipolar depression, 97:775
Mucin
gallbladder, subunit interactions and physical properties (cow), 97:179
intestinal, in diabetes (rat), 97:68
Mycobacteria, as cause of Crohn's disease, 97:1354-c
Myeloperoxidase, in colonic inflammation (rat), 97:326
Myeloproliferative disorder, membranous obstruction of inferior vena cava, 97:1019-cr
Myenteric plexus interruption, and migrating motor complex (guinea pig), 97:1135
Myosin, immunocytochemical localization, in phalloidin-treated hepatocytes (rat), 97:982

Nasogastric feedings, home nocturnal supplemental, in growth-retarded adolescents with Crohn's disease, 97:905
National Institutes of Health (NIH), digestive diseases research funds and investigators supported by, 97:482, 504-e
Nerves
and mast cells, in gastrointestinal mucosa, 97:575
regeneration, and migrating myoelectric complex (guinea pig), 97:1135
Nervous system
central
interactions with intestinal immune system, 97:228-ss
neurotensin inhibition of gastric acid secretion (rat), 97:1130
thyrotropin-releasing hormone effects on gastric mucosal blood flow (rat), 97:405
enteric, substance P/neurokinin A-encoding preprotachykinin mRNAs (rat), 97:348
Neuroendocrine cells, in gastric antral vascular ectasia, 97:207-cr
Neurokinin A, and substance P encoding preprotachykinin messenger RNA in enteric nervous system (rat), 97:348
Neuropeptide Y, in human Brunner's glands, 97:1382
Neurotensin, central, and gastric acid inhibition (rat), 97:1130
Neurotransmitters, and intestinal peristaltic reflex in humans, 97:1414
Neutrophils, and formyl-methionyl-leucyl-phenylalanine
ileitis
oxidant effects on (rat), 97:778
proteases (rat), 97:605
receptors for, in Crohn's disease, 97:20
Nonsteroidal antiinflammatory drugs (NSAIDs), small bowel injury and cytoprotection, 97:1344-ss
Notices, 97:251, 558, 813, 1071, 1358, 1601
Nucleation time, gallbladder bile, ursodeoxycholic acid effects, 97:173
Nutrition
choline deficiency in cirrhosis, 97:1514
Clinical Nutrition in Paediatric Disorders, 97:516-br
Nutrition and the Origins of Disease, 97:1059-br
parenteral, branched-chain amino acids in hepatic encephalopathy, 97:1033, 1043-e, 1049-e
total parenteral thrombogenicity endothelial cell procoagulant activity, 97:1220 monocyte/macrophage procoagulant activity, 97:1210
See also Diet.

Oil, ethiodized, and cisplatin in intraarterial infusion, in hepatocellular carcinoma, 97:965
Oligopeptides, bacterial chemotactic, and intestinal mucosal barrier (rat), 97:61
Omeprazole
suppression of acid secretion, and postprandial gastrin release (dog), 97:837, 1045-e
in Zollinger-Ellison syndrome, 97:827
Opioid receptors, in gastrointestinal tract (guinea pig), 97:76
Opsonic activity, ascitic fluid, diuresis vs. therapeutic paracentesis effects, 97:158
Ornithine decarboxylase, in human colon carcinoma cell line CaCo-2, 97:888
Osmolality, dietary, gastroesophageal reflux in infants, 97:601
Ovary, gastrin-producing cystadenocarcinoma, sensitivity to secretin and SMS 201-995, 97:464-cr
Oxidants, neutrophil-derived, and formyl-methionyl-leucyl-phenylalanine-induced ileitis (rat), 97:778
Oxygen, hyperbaric, healing of perineal and cutaneous Crohn's disease, 97:756-cr

Pain, and acid secretion in ulcer and nonulcer dyspepsia, 97:376
Pancreas
and biliary response to intragastric amino acid meal, 97:1544
Cancer of the Bile Ducts and Pancreas, 97:1060-br
exocrine secretion
after gastrectomy, 97:147
hypothalamic role (dog), 97:1534
G_2-arrested, fasting effects (rat), 97:219
Guides to Clinical Aspiration Biopsy: Liver and Pancreas, 97:238-br
insufficiency, fecal lipid excretion, 97:248-c
kallikrein gene expression, glucocorticoid effects (rat), 97:1005
MK-329 effects, 97:553-c
The Pancreas in Connection With the Epigastric Unit, 97:1060-br
secretin-induced stimulation of, prostaglandin role, 97:554-c
somatostatin effect on amino acid uptake, 97:732
Pancreastatin immunoreactivity, in malignant insulinoma, 97:1313-cr
Pancreatic duct, and portal vein fistula, 97:1025-cr
Pancreatic polypeptides, stress-induced changes (dog), 97:1101
Pancreatitis
gallstone, endoscopy for, 97:1592-ss
necrotizing, 97:510-ss
phospholipase A_2 in, 97:1521
relapsing, gastrointestinal duplications in children, 97:1556-cr
severe acute, FOY-305 treatment, 97:1600-c
Pancreolauryl test, exocrine pancreatic function after gastrectomy, 97:147
Paracentesis, therapeutic, vs. diuresis, effect on ascitic fluid opsonic activity and serum complement, 97:158
Pathology, *Atlas of Gastrointestinal Pathology*, 97:239-br
Peptide histidine isoleucine, in relaxation of lower esophageal sphincter (cat), 97:1083
Peptide histidine methionine, in human Brunner's glands, 97:1382
Peptide YY, in human Brunner's glands, 97:1382
Peptides
brain, and duodenal mucosal bicarbonate secretion (rat), 97:412
hormonal, development of, in gastrointestinal endocrine cells, 97:48
Peristalsis, intestinal, neurotransmitter regulation of, 97:1414
Peritoneum, *Peritoneum and Peritoneal Access*, 97:1597-br
Permeability
formyl-methionyl-leucyl-phenylalanine-induced increases, role of neutrophil-derived oxidants (rat), 97:778
intestinal
in Crohn's disease patients and relatives, 97:927
to PEG 400 (rat), 97:1164

tight junction, in intestinal epithelium, 97:802-ss
Peroxisome, hepatic, in abetalipoproteinemia, 97:766-cr
pH
gastroesophageal reflux in awake and sleeping infants, 97:821
sodium and hydrogen exchange in enterocytes (hamster), 97:882
Phalloidin, and myosin localization in hepatocytes (rat), 97:982
Pharmacology, *Balliere's Clinical Gastroenterology. International Practice and Research. Adverse Drug Reactions in the Differential Diagnosis of GI and Liver Diseases*, 97:1348-br
Phentolamine, and central neurotensin inhibition of gastric acid secretion (rat), 97:1130
Phosphatidylcholine, in bile and gallbladder mucosa, dietary cholesterol effects (prairie dog), 97:1261
Phosphatidylethanolamine, in bile and gallbladder mucosa, dietary cholesterol effects (prairie dog), 97:1261
Phospholipase A_2, in acute pancreatitis, 97:1521
Physical fitness, and large intestinal function, 97:1389
Pigment gallstones, gallbladder contraction, 97:1479
Platelets, in liver transplantation, 97:488
Polidocanol, injection therapy for nonvariceal bleeding (dog), 97:610
Polyamine metabolism, ornithine decarboxylase and diamine oxidase in human colon carcinoma cell line CaCo-2, 97:888
Polyethylene glycol 400 (PEG 400), intestinal permeability (rat), 97:1164
Porphyria cutanea tarda, HLA-linked hemochromatosis alleles, 97:972
Postmenopausal women, corticosteroid-treated hepatitis B surface antigen-negative chronic active hepatitis, 97:1288
Preprotachykinin, mRNAs, substance P/neurokinin A in enteric nervous system (rat), 97:348
Presidential Address, Reorganizing the AGA: Why, How, and When, 97:1361
Prostaglandin E_2
and bicarbonate, combined effects on electrical conductance of duodenal mucosa, 97:1448
in experimental colitis, 97:1356-c
Prostaglandins
and aspirin injury in stomach in vivo and in vitro (dog), 97:649
in aspirin-induced gastric lesions, cold effects (rat), 97:1147
in colon, interleukin-1 regulation of (rabbit), 97:1400
in gastric mucosa, sialoadenectomy effects (rat), 97:123
in hepatobiliary physiology and disease, 97:781
mediation of secretin-induced inhibition of gastric secretion and stimulation of pancreatic secretion, 97:554-c
Proteases, neutrophilic, and formyl-methionyl-leucyl-phenyl- alanine-induced ileitis (rat), 97:605
Protein kinase C, subspecies, 97:1594-ss
Proteins
cobalamin-binding, immunohistochemical survey, 97:1171
iron, in hemochromatosis, 97:798-ss
Raf-1, cytoplasmic signal transducing agent, 97:800-ss
Protoporphyria, and liver transplantation, 97:188-cr
Psychology, of patients with severe idiopathic constipation, 97:932
Psychoneuroimmunology, CNS interactions with intestinal immune system, 97:228-ss
Psychotherapy, *Moments of Engagement—Intimate Psychotherapy in a Technical Age*, 97:1351-br
Pulmonary failure, in pancreatitis, role of phospholipase A_2, 97:1521
Pylethrombosis, suppurative, 97:1028-cr

R protein, cobalamin-binding, immunohistochemical survey, 97:1171
Radioimmunoassay, pancreastatinlike immunoreactivity in malignancy insulinoma, 97:1313-cr
Radiology
Clinical Radiology of the Small Intestine, 97:1347-br
and endoscopy, in early gastric cancer, 97:1353-c
Raf-1 protein, signal transduction, 97:800-ss
Receptors
for antigens on gut epithelial T cells, 97:1341-ss
intestinal glycolipid, for Shiga toxin (rabbit), 97:384
muscarinic, in pyloric motor response to intraduodenal dextrose, 97:83
neutrophil, for formyl-methionyl-leucyl-phenylalanine, in Crohn's disease, 97:20
T-cell α-chain, and ulcerative colitis, 97:1115
transferrin, in colonic epithelium, 97:1435
Rectum, endoscopic laser treatment for villous adenoma, 97:272
Reverse transcriptase, 2′,3′-dideoxycytidine inhibition of hepatitis B virus (duck), 97:1275
Rhamnose, intestinal permeability in Crohn's disease, 97:927
Risk factors, cigarettes and alcohol, for colonic adenomas, 97:660
RNA
hepatitis delta virus, 97:507-ss
messenger
gastric proton pump (rabbit, rat), 97:873
substance P/neurokinin A-encoding preprotachykinin, in enteric nervous system (rat), 97:348
Roux-en-Y biliary diversion, effect on *Campylobacter pylori*, 97:958

Salivary glands, and adaptive cytoprotection (rat), 97:123
Salmonella, bacterial adherence and penetration of mucosal cells, role of epithelium, 97:1055-ss
Schwannoma, pancreatic, in von Recklinghausen's disease, gastrointestinal bleeding, 97:1550-cr
Secretin
and bile formation with liver cirrhosis (rat), 97:950
and gastrin release, 97:1354-c
and gastrin-producing ovarian cystadenocarcinoma, 97:464-cr
Selected Summaries
The A, B, C of D-xylose absorption, 97:512
Additional evidence that celiac disease is a genetically determined, immunoallergic disease, 97:231
All that flushes is not carcinoid, 97:234
Anti-endoplasmic reticulum antibody in autoimmune chronic active hepatitis—an antibody comes of age, 97:506
Antimicrobial therapy of duodenal ulcer? Hold off for now! 97:508
α_1-Antitrypsin deficiency: two wrongs can make a right, 97:225
Are all gallstones "silent" until acute cholecystitis occurs? 97:1591
Calcium and colon cancer, 97:804
Detection of colorectal liver metastases: which imaging technique is best? 97:1589
Does methyl *tert*-butyl ether result in an empty gallbladder? 97:1057
Effect of cholecystectomy on bile acid kinetics, 97:1593
Endoscopy for gallstone pancreatitis, 97:1592
Gastric ulcer management: is long-term maintenance therapy necessary? 97:803
Gut proteins and hemochromatosis, 97:798
Hirschsprung's disease: matters of matrix and migration, 97:513
Is low-dose pulse methotrexate hepatotoxic in rheumatoid arthritis? 97:230
The liver is man's carburetor, 97:805
Losing weight, but gaining gallstones (but maybe not), 97:799
Management of necrotizing pancreatitis, 97:510
Microvascular angina of the esophagus? 97:226

Selected Summaries (cont'd)
Misoprostol prevents nonsteroidal anti-inflammatory drug-induced gastric ulcers—has Pandora's box been opened? 97:1053
More bang for the buck in Bangkok: using hepatitis B virus vaccine without hepatitis B immune globulin, 97:1588
Non-A, non-B hepatitis: finally the big breakthrough, 97:1052
NSAID small bowel injury and cytoprotection, 97:1344
Pro-choice—sulfasalazine or 5-aminosalicylic acid in ulcerative colitis, 97:233
Protein kinase C subspecies, 97:1594
Psychoneuroimmunology: interactions of the CNS and the intestinal immune system, 97:228
Raf-1 protein: a cytoplasmic signal transducing agent for proliferative stimuli, 97:800
Regulation of tight junction permeability in intestinal epithelium, 97:802
Salmonella bacterial adherence and penetration of mucosal cells: inducing role of the epithelium, 97:1055
Somatostatin and post-gastrectomy dumping, 97:1344
Specialized receptors for antigens on gut epithelial T cells, 97:1341
Sporadic chronic non-A, non-B viral hepatitis: a more ominous diagnosis than first surmised, 97:1342
Surgery or pneumatic dilatation for achalasia: head-to-head comparison. Now are all the questions answered? 97:1340
Synergism between VIP and carbachol-mediated responses in human mucus-secreting colonic epithelial cell line, 97:1345
Transforming growth factors and intestinal epithelia: more questions than answers, 97:1587
Tumor necrosis factor in alcoholic hepatitis, 97:1056
Unraveling the mystery of HDV and its mode of replication: one step forward, 97:507
Shock-wave lithotripsy, extracorporeal, and methyl tert-butyl ether for partially calcified gallstones, 97:1229
Shunts, spleno-adreno-renal, after endoscopic sclerotherapy, 97:421
Sialoadenectomy, and adaptive cytoprotection (rat), 97:123
Signal transduction, Raf-1 protein, 97:800-ss
Sleep, and cyclical unipolar depression, 97:775
Smoking, risk factor for colonic adenoma, 97:660
SMS 201-995
and gastrin-producing ovarian cystadenocarcinoma, 97:464-cr
in peptic ulcer bleeding, 97:568, 796-e
Sodium, and hydrogen exchange in enterocytes (hamster), 97:882
Somatostatin
and amino acid uptake by pancreas, 97:732
analog SMS 201-995, in peptic ulcer bleeding, 97:568
and bombesin inhibition of acid secretion (mouse), 97:561, 793-e
in human Brunner's glands, 97:1382
immunoreactivity after mixed meal, and gastric acid, 97:867
and post-gastrectomy dumping, 97:1344-ss
stress-induced changes (dog), 97:1101
Sphincter
internal anal, and idiopathic fecal incontinence, 97:130
lower esophageal, peptide histidine isoleucine role in relaxation of (cat), 97:1083
of Oddi, diagnosis of dysfunction, 97:241-c
upper esophageal, opening and modulation during swallowing, 97:1469
Spleen, in liver iron overload, computed tomography of, 97:737
Spleno-adreno-renal shunt, after endoscopic sclerotherapy, 97:421
Statistics
duodenal mucosal restitution and alkaline environment, 97:112
indicators of prognosis in fulminant hepatic failure, 97:439
Steatohepatitis, and limb lipodystrophy, 97:1022-cr
Stomach
acid secretion. *See* Acid secretion
anatomy, motility, and emptying, after vertical banded gastroplasty, 97:91
antral vascular ectasia, neuroendocrine cells, 97:207-cr
ascorbic acid levels, 97:357
aspirin injury
and cold exposure (rat), 97:1147
prostaglandin effects in vivo and in vitro (dog), 97:649
blood flow, in portal hypertension (rat), 97:1108
first-pass metabolism of ethanol, effect of gastrectomy, 97:1205
Gastric Protection, 97:808-br
lymphocytic proliferation with immunoglobulin gene rearrangement in pseudolymphoma vs. lymphoma, 97:195-cr
microvascular changes in ethanol injury, lipoxygenase metabolites (rat), 97:304
··· mucosa
banana effects on surfactant (rat), 97:294
CNS action of thyrotropin-releasing hormone on blood flow (rat), 97:405
famotidine effects, microbleeding and ultrathin endoscopy, 97:944
indomethacin-induced lesions, adrenalectomy effects (rat), 97:284
single gastric artery ligation (guinea pig), 97:1115
parietal cell acid secretion, effect of leukotrienes C_4 and D_4, 97:1420
proton pump, cell-free synthesis of (rabbit, rat), 97:873
secretin-induced inhibition of, prostaglandin role, 97:554-c
stress-induced injury, glutathione inhibition of (rat), 97:853
trophic effects induced by BY 831-78, enprostil inhibition of (rat), 97:846
Stress
and corticotropin-releasing factor, 97:240-c
and gastric emptying, postprandial motility, and plasma gut hormone (dog), 97:1101
gastric injury, glutathione inhibition of (rat), 97:853
neurohumoral pathways in gastrointestinal transit (rat), 97:216
Substance P
in human Brunner's glands, 97:1382
and intestinal peristaltic reflex, 97:1414
and neurokinin A-encoding preprotachykinin messenger RNA in enteric nervous system (rat), 97:348
Sucrose, and gallbladder disease in Mexican Americans, 97:1527
Sudan stain, for fecal fat, 97:550-c, 552-c
Sulfasalazine vs. 5-aminosalicylic acid in ulcerative colitis, 97:233-ss
Surfactant, gastric mucosal barrier, protection by banana (rat), 97:294
Surgery
Common Problems in Gastrointestinal Surgery, 97:1350-br
intestinal, short-chain fatty acids in bowel contents, 97:1090
or pneumatic dilatation for achalasia, 97:1340-ss
Swallowing
gastroesophageal reflux clearance in sleeping infants, 97:821
upper esophageal opening and modulation, 97:1469

T lymphocytes
intraepithelial, proliferative responses to T-cell stimuli, 97:1372
on gut epithelial cells, specialized receptors, 97:1341-ss
receptor α-chain, and ulcerative colitis, 97:1115
Technetium 99m, phagocyte scanning in inflammatory bowel disease, 97:249-c
Thrombosis, and total parenteral nutrition

endothelial cell procoagulant activity, 97:1220
monocyte/macrophage procoagulant activity, 97:1210
Thyrotropin-releasing hormone
CNS actions on gastric mucosal blood flow (rat), 97:405
and duodenal mucosal bicarbonate secretion (rat), 97:412
Tight junctions, permeability in intestinal epithelium, 97:802-ss
Tissue culture
human colon carcinoma cell line CaCo-2, ornithine decarboxylase and diamine oxidase, 97:888
human colonic epithelial cells, VIP and carbachol-mediated responses, 97:1345-ss
liver fat-storing cells, apolipoprotein synthesis, 97:163
Toxicity
of ethanol, aging effects (rat), 97:446
omeprazole in Zollinger-Ellison syndrome, 97:827
Toxins
Clostridium difficile A and cholera, comparison in ileum (rabbit), 97:1186
Shiga, intestinal glycolipid receptor (rabbit), 97:384
Transferrin receptor, in colonic epithelium, 97:1435
Transit time, mouth-to-cecum, and aerobic exercise, 97:1063-c
Transplantation, liver
hemostasis in, 97:488
indicators of prognosis in fulminant hepatic failure, 97:439
leukocyte chemotaxis to bile, 97:433
for primary biliary cirrhosis, disease recurrence after, 97:715
primer for gastroenterologists, 97:805-ss
and protoporphyria, 97:188-cr
Trichinella spiralis infection, and jejunal propulsion (guinea pig), 97:1461
Triglyceride of chyle, in chylothorax, 97:761-cr
Tumor necrosis factor, in alcoholic hepatitis, 97:1056-ss

Ulcerative colitis
dysplasia
aneuploidy vs. morphology, 97:243-c
and cancer, effect of folate supplementation, 97:255, 502-e
immune sensitization to epithelial cell-associated components (tamarin), 97:1075
intestinal immune reactivity to interleukin 2, 97:1, 222-e
and *Legionella* infection of colon, 97:751-cr
sulfasalazine vs. 5-aminosalicylic acid, 97:233-ss
and T-cell receptor α-chain, 97:1115
Ulcers
duodenal
acid secretion and pain, 97:376
antimicrobial therapy, 97:508-ss
arbaprostil nighttime dose, 97:98
postbulbar, and pentagastrin-fast achlorhydria, 97:771-cr
gastric
and famotidine suppression of nocturnal acid secretion, 97:860
ligation of gastric mucosal arteries (guinea pig), 97:1121
long-term maintenance therapy, 97:803-ss
NSAID-induced, misoprostol prevention of, 97:1053-ss
peptic
microwave energy in hemorrhage, comparison with heater probe and BICAP (dog), 97:676
SMS 201-995 effects on bleeding, 97:568, 796-e
Ultrasonography
in acute appendicitis, 97:630
bile duct diameter changes after cholecystectomy, 97:1485
Doppler, hepatocellular carcinoma, comparison with other hepatic focal lesions, 97:1489
hepatic hemangioma and focal nodular hyperplasia, 97:154
Modern Imaging of the Liver: Applications of Computerized Tomography, Ultrasound, Nuclear Medicine, and Magnet Resonance Imaging, 97:1347-br
suppurative pylethrombosis, 97:1028-cr
Ursodeoxycholic acid
and gallstone recurrence, 97:726
and nucleation time in human gallbladder bile, 97:173
in primary biliary cirrhosis, 97:1268
during weight loss, 97:799-ss

Vaccine, hepatitis B, without hepatitis B immune globulin, 97:1588-ss
Vagus nerve, and hypothalamic stimulation, effect on pancreatic exocrine secretion (dog), 97:1534
Vasoactive intestinal polypeptide (VIP)
and carbachol-mediated responses in human mucus-secreting colonic epithelial cell line, 97:1345-ss
in human Brunner's glands, 97:1382
and intestinal peristaltic reflex, 97:1414
Vasodilators, vascular response of esophagus (dog), 97:42
Vasopressin
hydroosmotic effect, and water excretion in cirrhosis (rat), 97:1294
Vasopressin Analogs and Portal Hypertension, 97:1598-br
Vena cava, inferior, membranous obstruction in myeloproliferative disorder, 97:1019-cr
Videofluoroscopy, upper esophageal sphincter during swallowing, 97:1469
Virus, enteric pathogens, in AIDS with diarrhea, 97:1031
Viscosity, infusate, and intestinal absorption (rat), 97:938
von Recklinghausen's disease, gastrointestinal bleeding due to pancreatic schwannoma in, 97:1550-cr

Water
absorption, and intestinal permeability of PEG 400 (rat), 97:1164
excretion in cirrhosis, and hydroosmotic effect of vasopressin (rat), 97:1294
Weight loss, and gallstones, 97:799-ss

X protein and antibody, in type B chronic liver disease, 97:990
Xylose
absorption, kinetic analysis, 97:512-ss
test, in pediatrics, 97:246-c

Zidovudine (AZT), and intestinal cryptosporidiosis in AIDS, 97:1327-cr